Hardware Tool Debug Features by Device

Information taken from MPLAB X IDE device database files.

Table Headings: See a list of heading descriptions below the table.
Table Cells: To sort the data, use the CSV file in HWToolDebugFeatures.zip.

Color Legend: *Green cells:* supported; *Gray cells:* no support; *Background color cells:* support differs by tool.
Text Legend: *Yes or Value:* supported; *No:* no support; *N/A:* no information in database.

Tool Legend: *ICD4* = MPLAB® ICD 4 in-circuit debugger/production programmer, *PK4* = MPLAB PICkit™ 4 in-circuit debugger/production programmer,
Snap = MPLAB Snap in-circuit debugger/development programmer, AI = Atmel-ICE in-circuit debugger/production programmer, as well as Power Debugger.

Legacy Tools: See "G3HWToolDebugFeatures.html" in zip file.

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
AT90CAN64	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90PWM1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90PWM161	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90PWM216	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90PWM2B	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90PWM316	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90PWM3B	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90PWM81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90USB1286	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90USB1287	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90USB162	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
AT90USB646	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90USB647	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AT90USB82	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATA5700M322	N/A:ICD4 3:PK4 3:Snap N/A:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATA5702M322	N/A:ICD4 3:PK4 3:Snap N/A:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATA5781	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATA5782	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATA5783	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATA5787	N/A:ICD4 3:PK4 3:Snap N/A:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATA5831	N/A:ICD4 3:PK4 3:Snap N/A:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATA5832	N/A:ICD4 3:PK4 3:Snap N/A:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATA5833	N/A:ICD4 3:PK4 3:Snap N/A:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATA5835	N/A:ICD4 3:PK4 3:Snap N/A:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATA8210	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATA8215	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATA8510	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATA8515	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATSAMA5D26	N/A	N/A	N/A	0	No	N/A	No	No	N/A	N/A	N/A	N/A	No	No	N/A	No	Yes	No
ATSAMC20E15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20E16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20E17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20E18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20G15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20G16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20G17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20G18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20J15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20J16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20J17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20J17AU	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20J18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20J18AU	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20N17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC20N18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21E15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21E16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21E17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21E18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21G15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21G16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21G17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21G18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21J15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21J16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21J17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21J17AU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMC21J18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21J18AU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMC21N17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMC21N18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD09C13A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD09D14A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD10C13A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD10C14A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATSAMD10D13AM	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD10D13AS	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD10D14AM	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD10D14AS	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD10D14AU	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD11C14A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD11D14AM	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD11D14AS	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD11D14AU	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20E14	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20E14B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20E15	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20E15B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20E16	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20E16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20E17	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20E18	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G14	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G14B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G15	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G15B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G16	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G17	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G17U	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD20G18	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20G18U	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD20J14	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20J14B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20J15	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20J15B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20J16	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20J16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20J17	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD20J18	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E15A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21E15B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E15BU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21E15CU	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E15L	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATSAMD21E16A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21E16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E16BU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21E16CU	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E16L	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E17D	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E17DU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21E17L	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21E18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21G15A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21G15B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21G15L	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21G16A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21G16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21G16L	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21G17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21G17AU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21G17D	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21G17L	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21G18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21G18AU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21J15A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21J15B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATSAMD21J16A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAMD21J16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21J17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21J17D	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD21J18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51G18A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51G19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51J18A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51J19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51J20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51N19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51N20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51P19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMD51P20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1E14B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1E15B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1E16B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1G14B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1G15B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1G16B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1J14B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1J15B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMDA1J16B	6:ICD4 6:PK4 6:Snap 4:AI	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATSAME51G18A	6:ICD4 6:PK4 6:Snap N/A:AI	2:ICD4 2:PK4 2:Snap N/A:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME51G19A	6:ICD4 6:PK4 6:Snap N/A:AI	2:ICD4 2:PK4 2:Snap N/A:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME51J18A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME51J19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME51J20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME51N19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME51N20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME53J18A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME53J19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME53J20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME53N19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME53N20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME54N19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME54N20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME54P19A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME54P20A	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAME70J19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70J19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70J20	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70J20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70J21	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70J21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70N19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70N19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70N20	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70N20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70N21	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70N21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70Q19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70Q19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70Q20	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70Q20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70Q21	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAME70Q21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMG51G18	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMG51N18	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMG53G19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMG53N19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMG54G19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMG54J19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMG54N19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMG55G19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMG55J19	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMHA1E14AB	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMHA1E15AB	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMHA1E16AB	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATSAMHA1G14A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMHA1G14AB	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMHA1G15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMHA1G15AB	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMHA1G16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMHA1G16AB	N/A:ICD4 N/A:PK4 4:Snap 4:AI	N/A:ICD4 N/A:PK4 2:Snap 2:AI	N/A:PK4 R/W/Either:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 N/A:PK4 Yes:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAML10D14A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML10D15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML10D16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML10E14A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML10E15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML10E16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML11D14A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML11D15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML11D16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML11E14A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML11E15A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML11E16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAML21E15B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21E16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21E17B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21E18A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAML21E18B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21G16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21G17B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21G18A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAML21G18B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21J16B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21J17B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21J17BU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAML21J18A	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAML21J18B	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML21J18BU	N/A:ICD4 N/A:PK4 N/A:Snap 4:AI	N/A:ICD4 N/A:PK4 N/A:Snap 2:AI	N/A:ICD4 N/A:PK4 N/A:Snap R/W/Either:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATSAML22G16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATSAML22G17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML22G18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML22J16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML22J17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML22J18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML22N16A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML22N17A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAML22N18A	4	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	Yes
ATSAMRH71F20C	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	No
ATSAMS70J19	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70J19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70J20	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70J20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70J21	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70J21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70N19	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70N19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70N20	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70N20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70N21	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70N21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70Q19	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70Q19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70Q20	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70Q20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATSAMS70Q21	6:ICD4 6:PK4 6:Snap 0:AI	2:ICD4 2:PK4 2:Snap 0:AI	4 R/W/Either:PK 4 R/W/Either:Sn	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMS70Q21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV70J19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV70J20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV70N19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV70N20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV70Q19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV70Q20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71J19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71J20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71J21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71N19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71N20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71N21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71Q19B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71Q20B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71Q21	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATSAMV71Q21B	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	Yes	Yes
ATmega128	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega1280	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega1281	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega1284	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega1284P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega1284RFR2	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega128A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega128RFA1	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATmega128RFR2	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega16	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega1608	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega1609	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega162	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega164A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega164P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega164PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega165A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega165P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega165PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega168	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega168A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega168P	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATmega168PA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega168PB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega169A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega169P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega169PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega16A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega16HVA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega16HVB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega16HVBrevB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega16M1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega16U2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega16U4	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega2560	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega2561	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega2564RFR2	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATmega256RFR2	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega32	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3208	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3209	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega324A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega324P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega324PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega324PB	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega325	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3250	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3250A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3250P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3250PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATmega325A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega325P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega325PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega328	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega328P	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega328PB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega329	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3290	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3290A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3290P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega3290PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega329A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega329P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega329PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATmega32A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega32C1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega32HVB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega32HVBrevB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega32M1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega32U2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega32U4	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega406	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega48	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega4808	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega4809	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega48A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega48P	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega48PA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega48PB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATmega64	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega640	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega644	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega644A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega644P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega644PA	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega644RFR2	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega645	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega6450	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega6450A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega6450P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega645A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega645P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATmega649	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega6490	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega6490A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega6490P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega649A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega649P	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega64A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega64C1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega64HVE2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega64M1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega64RFR2	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega8	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega808	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega809	N/A:ICD4 1:PK4 0:Snap 0:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 No:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATmega8515	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega8535	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega88	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega88A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega88P	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega88PA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega88PB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega8A	N/A:ICD4 3:PK4 3:Snap 3:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega8HVA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATmega8U2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny102	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny104	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ATtiny12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny13A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATtiny15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1604	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1606	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1607	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1614	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1616	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1617	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1624	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1626	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1627	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny1634	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny167	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny202	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATtiny204	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny212	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny214	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny2313	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny2313A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny24A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny261	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny261A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny3216	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny3217	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATtiny402	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny404	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny406	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny412	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny414	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny416	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny416auto	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny417	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny4313	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny43U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny441	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny44A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny461	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATtiny461A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny48	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny804	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny806	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny807	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny814	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny816	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny817	N/A:ICD4 1:PK4 1:Snap 1:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny828	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny84	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny841	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny84A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny85	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny861	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATtiny861A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny88	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATtiny9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128A1	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128A1U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128A3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128A3U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128A4U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128B1	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128B3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128C3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128D3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega128D4	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATxmega16A4	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega16A4U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega16C4	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega16D4	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega16E5	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega192A3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega192A3U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega192C3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega192D3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega256A3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega256A3B	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega256A3BU	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega256A3U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATxmega256C3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega256D3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega32A4	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega32A4U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega32C3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega32C4	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega32D3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega32D4	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega32E5	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega384C3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega384D3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64A1	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64A1U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
ATxmega64A3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64A3U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64A4U	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64B1	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64B3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64C3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64D3	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega64D4	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
ATxmega8E5	N/A:ICD4 2:PK4 2:Snap 2:AI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AVR128DA28	N/A:ICD4 1:PK4 1:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AVR128DA32	N/A:ICD4 1:PK4 1:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AVR128DA48	N/A:ICD4 1:PK4 1:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
AVR128DA64	N/A:ICD4 1:PK4 1:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A:ICD4 Yes:PK4 Yes:Snap	N/A
CEC1702	6:ICD4 6:PK4 N/A:Snap	2:ICD4 2:PK4 N/A:Snap	4 R/W/Either:PK4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	No
CEC1712H_B2_SX	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
CEC1712H_S2_SX	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
MEC1418	4:ICD4 N/A:PK4 N/A:Snap	2:ICD4 N/A:PK4 N/A:Snap	4 N/A:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 N/A:PK4 N/A:Snap	N/A	Yes:ICD4 N/A:PK4 N/A:Snap	N/A	Yes:ICD4 N/A:PK4 N/A:Snap	N/A	Yes:ICD4 N/A:PK4 N/A:Snap	Yes:ICD4 N/A:PK4 N/A:Snap	N/A
MEC1428	4:ICD4 N/A:PK4 N/A:Snap	2:ICD4 N/A:PK4 N/A:Snap	4 N/A:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 N/A:PK4 N/A:Snap	N/A	Yes:ICD4 N/A:PK4 N/A:Snap	N/A	Yes:ICD4 N/A:PK4 N/A:Snap	N/A	Yes:ICD4 N/A:PK4 N/A:Snap	Yes:ICD4 N/A:PK4 N/A:Snap	N/A
MEC1501H_B0_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1501H_B0_TF	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1501H_B0_Z2	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1503H_L1_3Y	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1503H_L1_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1507H_B0_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1507H_B0_TF	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1515H_D0_NB	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1521H_B0_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1521H_B0_TF	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1521H_B0_Z2	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1523H_B0_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1523H_L1_3Y	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1523H_L1_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1527H_B0_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1701H	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1701Q	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1703K	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1703Q	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1704Q	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1705Q	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1721N_B0_LJ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1721N_B0_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1723N_B0_LJ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1723N_B0_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1723N_F0_SZ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1723N_P0_XX	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
MEC1725N_B0_LJ	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
PIC10F200 using AC162059	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC10F202 using AC162059	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC10F204 using AC162059	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC10F206 using AC162059	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC10F222 using AC162070	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC10F320 using AC244045	3:ICD4 3:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC10F322 using AC244045	3:ICD4 3:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC10LF320 using AC244045	3:ICD4 3:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC10LF322 using AC244045	3:ICD4 3:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC12F1501	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC12F1501 using AC244051	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC12F1571	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12F1572	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12F1612	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12F1612 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12F1822	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC12F1822 using AC244043	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12F1822 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12F1840	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC12F1840 using AC244043	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12F1840 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12F508 using AC162059	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC12F509 using AC162059	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC12F510 using AC162070	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC12F629 using AC162050	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC12F635 using AC162057	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC12F675 using AC162050	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC12F683 using AC162058	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC12LF1501	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC12LF1501 using AC244052	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC12LF1571	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12LF1572	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12LF1612	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12LF1612 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12LF1822	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC12LF1822 using AC244044	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12LF1822 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12LF1840	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC12LF1840 using AC244044	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12LF1840 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC12LF1840T39A	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC12LF1840T48A	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F1454	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1454 using AC244053	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1455	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1455 using AC244053	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1459	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1459 using AC244053	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1503	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F1503 using AC244051	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC16F1507	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F1507 using AC244051	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC16F1508	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1508 using AC244051	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1509	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1509 using AC244051	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1512	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1513	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1516	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1517	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1518	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F1519	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15213	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15214	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15223	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15224	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15225	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15243	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15244	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15245	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1526	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1527	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15313	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15323	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15324	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15325	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15344	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15345	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F15354	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15355	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15356	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15375	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15376	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15385	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F15386	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1574	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1575	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1578	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1579	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1613	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1613 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1614	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1614 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1615	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1615 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F1618	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1618 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1619	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1619 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1703	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1703 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1704	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1704 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1705	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1705 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1707	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1707 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1708	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1708 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1709	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1709 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1713	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F1713 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1716	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1716 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1717	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1717 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1718	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1718 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1719	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1719 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1764	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1765	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1768	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1769	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1773	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1776	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1777	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1778	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F1779	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1782	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1782 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1783	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1783 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1784	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1784 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1786	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1786 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1787	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1787 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1788	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1788 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1789	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1789 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1823	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1823 using AC244043	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F1823 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1824	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1824 using AC244043	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1824 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1825	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1825 using AC244043	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1825 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1826	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1826 using AC244046	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1826 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1827	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1827 using AC244046	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1827 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1828	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1828 using AC244043	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1828 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1829	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F1829 using AC244043	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1829 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1829LIN	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18313	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18323	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18324	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18325	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18326	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18344	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18345	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18346	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18424	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18425	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18426	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18444	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18445	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18446	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F18455	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18456	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1847	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1847 using AC244046	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1847 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18854	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18855	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18856	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18857	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18875	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18876	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F18877	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F19155	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F19156	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F19175	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F19176	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F19185	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F19186	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F19195	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F19196	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F19197	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1933	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1933 using AC244035	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1933 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1934	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1934 using AC244035	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1934 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1936	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1936 using AC244035	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1936 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1937	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16F1937 using AC244035	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1937 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1938	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F1938 using AC244035	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1938 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1939	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1939 using AC244035	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1939 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1946	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F1947	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16F505 using AC162059	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F506 using AC162070	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F54	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F59	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F627	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F628	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F636 using AC162057	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F639 using AC162066	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F684 using AC162055	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F688 using AC162056	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F707	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F716 using AC162054	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F720	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F721	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F722	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F722 using AC244026	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16F722A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F723	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F723 using AC244026	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16F723A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F724	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F724 using AC244026	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16F726	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F726 using AC244026	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16F727	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F727 using AC244026	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16F737	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F747	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F767	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F777	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F818	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F819	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F87	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F870	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F871	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F872	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F873	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F873A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F874	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F874A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F876	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F876A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F877	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F877A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F88	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F882	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F883	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16F884	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F886	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F887	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F913	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F914	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F916	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F917	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16F946	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16HV610 using AC162083	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF1454	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1454 using AC244054	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1455	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1455 using AC244054	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1459	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1459 using AC244054	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1503	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF1503 using AC244052	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC16LF1507	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF1507 using AC244052	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF1508	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1508 using AC244052	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1509	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1509 using AC244052	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1512	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1513	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1516	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1517	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1518	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1519	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1526	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1527	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15313	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15323	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15324	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15325	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15344	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF15345	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15354	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15355	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15356	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15375	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15376	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15385	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF15386	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1554	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1559	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1566	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1567	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1574	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1575	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1578	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1579	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1613	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF1613 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1614	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1614 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1615	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1615 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1618	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1618 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1619	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1619 using AC244066	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1703	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1703 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1704	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1704 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1705	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1705 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1707	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1707 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF1708	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1708 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1709	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1709 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1713	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1713 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1716	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1716 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1717	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1717 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1718	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1718 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1719	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1719 using AC244065	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1764	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1765	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1768	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF1769	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1773	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1776	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1777	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1778	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1779	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1782	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1782 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1783	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1783 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1784	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1784 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1786	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1786 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1787	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1787 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1788	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF1788 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1789	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1789 using AC244064	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1823	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1823 using AC244044	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1823 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1824	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1824 using AC244044	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1824 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1824T39A	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1825	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1825 using AC244044	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1825 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1826	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1826 using AC244047	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1826 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1827	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF1827 using AC244047	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1827 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1828	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1828 using AC244044	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1828 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1829	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1829 using AC244044	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1829 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18313	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18323	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18324	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18325	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18326	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18344	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18345	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18346	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18424	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF18425	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18426	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18444	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18445	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18446	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18455	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18456	3	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1847	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1847 using AC244047	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1847 using AC244063	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18854	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18855	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18856	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18857	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18875	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18876	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF18877	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF1902	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC16LF1903	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC16LF1904	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1906	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1907	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19155	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19156	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19175	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19176	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19185	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19186	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19195	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19196	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF19197	1	1	R/W	0	No	N/A	No	Yes	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1933	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1933 using AC244036	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1933 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF1934	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1934 using AC244036	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1934 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1936	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1936 using AC244036	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1936 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1937	1	0	No	0	No	N/A	No	No	No	No	No	No	No	Yes	No:ICD4 No:PK4 Yes:Snap	No	Yes	Yes
PIC16LF1937 using AC244036	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1937 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1938	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1938 using AC244036	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1938 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1939	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1939 using AC244036	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1939 using AC244055	32	32	R/W	0	32S / 32BPS	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1946	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes
PIC16LF1947	3	3	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No:ICD4 No:PK4 Yes:Snap	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF707	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF720	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF721	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF722	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF722 using AC244027	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16LF722A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF723	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF723 using AC244027	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16LF723A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF724	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF724 using AC244027	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16LF726	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF726 using AC244027	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16LF727	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF727 using AC244027	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes
PIC16LF747	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF767	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF77	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC16LF777	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF818	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF819	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF87	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF870	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF871	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF872	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF873	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF873A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF874	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF874A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF876	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF876A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF877	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF877A	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC16LF88	1:ICD4 1:PK4 N/A:Snap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
PIC18F04Q40	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F04Q41	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F05Q40	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F05Q41	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F06Q40	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F06Q41	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F1220	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F1230	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F1230 using AC162078	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F1320	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F1330	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F1330 using AC162078	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F13K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F13K22 using AC244033	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F13K50 using AC244023	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F14K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F14K22 using AC244033	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F14K22LIN	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F14K50 using AC244023	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F14Q40	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F14Q41	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F15Q40	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F15Q41	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F16Q40	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F16Q41	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F2220	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2221	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F2320	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2321	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2331	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F23K20	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F23K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F2410	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F242	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2420	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2423	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2431	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2450	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2455	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2458	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F248	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2480	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F24J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162067	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F24J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F24J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F24K20	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F24K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F24K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F24K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F24K50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F24Q10	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F2510	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F2515	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F252	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2520	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2523	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2525	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2550	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2553	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F258	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2580	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2585	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F25J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162067	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F25J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F25J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F25K20	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F25K22	3	3	R/W	0	No	N/A	No	Yes	No	No	Yes	No	No	N/A	N/A	Yes	Yes	Yes
PIC18F25K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F25K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F25K50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F25K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F25K83	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F25Q10	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F25Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F2610	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F2620	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2680	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2682	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F2685	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F26J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F26J13	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F26J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F26J53	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F26K20	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F26K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F26K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F26K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F26K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F26K83	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F26Q10	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F26Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F27J13	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F27J53	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F27K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F27K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F27Q10	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F27Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F27Q83	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F27Q84	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F4220	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4221	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4320	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4321	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4331	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F43K20	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F43K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F4410	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F442	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4420	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4423	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4431	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4450	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4455	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4458	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F448	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4480	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F44J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162067	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162074	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F44J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F44J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F44K20	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F44K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F4510	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F4515	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F452	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4520	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4523	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4525	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4550	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4553	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F458	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4580	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4585	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F45J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162067	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162074	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F45J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F45J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F45K20	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F45K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F45K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F45K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F45K50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F45K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F45Q10	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F45Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F4610	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F4620	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4680	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4682	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F4685	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F46J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F46J13	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F46J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F46J53	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F46K20	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F46K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F46K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F46K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F46K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F46Q10	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F46Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F47J13	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F47J53	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F47K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F47K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F47Q10	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F47Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F47Q83	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F47Q84	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F55K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F55Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F56K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F56Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F57K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F57Q43	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F57Q83	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F57Q84	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18F6310	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F6390	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F6393	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F63J11	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F63J90	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F6410	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F6490	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F6493	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F64J11	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F64J90	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F6520	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6525	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6527	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6585	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F65J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F65J11	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F65J15	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F65J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162087	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F65J90	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F65J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F65K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F65K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F65K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F65K90	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6620	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6621	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6622	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6627	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6628	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6680	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F66J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162091	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J15	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J16	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162091	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162087	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J55	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162087	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J60	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J65	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J90	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J93	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F66K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F66K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F66K90	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6720	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6722	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F6723	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F67J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F67J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162091	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F67J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162087	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F67J60	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F67J90	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F67J93	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F67J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F67K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F67K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18F67K90	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8310	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F8390	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F8393	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F83J11	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F83J90	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F8410	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F8490	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F8493	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18F84J11	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F84J90	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F8520	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8525	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8527	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8585	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F85J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F85J11	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F85J15	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F85J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162087	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F85J90	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162079	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F85J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F85K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F85K90	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8620	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8621	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8622	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8627	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8628	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F8680	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F86J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162091	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J15	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J16	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162091	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162087	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J55	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162087	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J60	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J65	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J72	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J90	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J93	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F86K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F86K90	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8720	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8722	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F8723	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F87J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162062	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F87J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162091	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F87J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162087	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F87J60	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F87J72	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F87J90	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F87J93	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F87J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18F87K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F87K90	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18F95J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F96J60	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F96J65	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F96J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F97J60	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162064	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18F97J94	5	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF1220	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF1230	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF1230 using AC162078	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF1320	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF1330	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF1330 using AC162078	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF13K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF13K22 using AC244034	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF13K50 using AC244024	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF14K22	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF14K22 using AC244034	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF14K50 using AC244024	3:ICD4 3:PK4 N/A:Snap	5:ICD4 5:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18LF2220	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2221	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2320	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2321	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2331	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF23K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF2410	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF242	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2420	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2423	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2431	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2450	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2455	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2458	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF248	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2480	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF24J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162067	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF24J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF24J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF24K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18LF24K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF24K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF24K50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF2510	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF2515	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF252	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2520	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2523	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2525	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2550	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2553	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF258	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2580	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2585	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF25J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162067	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF25J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF25J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF25K22	3	3	R/W	0	No	N/A	No	Yes	No	No	Yes	No	No	N/A	N/A	Yes	Yes	Yes
PIC18LF25K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF25K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF25K50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF25K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF25K83	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF2610	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18LF2620	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2680	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2682	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF2685	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF26J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF26J13	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF26J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF26J53	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF26K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF26K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF26K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF26K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF26K83	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF27J13	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF27J53	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF27K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF27K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF4220	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4221	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4320	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4321	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4331	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF43K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF4410	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF442	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18LF4420	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4423	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4431	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4450	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4455	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4458	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF448	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4480	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF44J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162067	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162074	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF44J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF44J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF44K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF4510	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF4515	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF452	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4520	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4523	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4525	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4550	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18LF4553	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF458	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4580	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4585	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF45J10	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162067	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
AC162074	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF45J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF45J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF45K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF45K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF45K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF45K50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF45K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF4610	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF4620	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4680	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4682	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF4685	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF46J11	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF46J13	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF46J50	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF46J53	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF46K22	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF46K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF46K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF46K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF47J13	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF47J53	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18LF47K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF47K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF55K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF56K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF57K42	3	3	R/W	0	No	N/A	No	Yes	No	No	No	No	No	No	N/A	Yes	No	Yes
PIC18LF6310	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF6390	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF6393	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF6410	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF6490	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF6493	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF6520	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6525	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6527	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6585	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF65K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF65K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF6620	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6621	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6622	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6627	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18LF6628	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6680	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF66K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF66K80	3	5	R/W	0	No	N/A	No	Yes	No	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
PIC18LF6720	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6722	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF6723	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF67K40	3	3	R/W	0	No	N/A	No	Yes	No	No	No:ICD4 No:PK4 Yes:Snap	No	No	N/A	N/A	Yes	No	Yes
PIC18LF8310	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF8390	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF8393	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF8410	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF8490	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF8493	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes
PIC18LF8520	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8525	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8527	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8585	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC18LF8620	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8621	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8622	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8627	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8628	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8680	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8720	1:ICD4 1:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8722	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC18LF8723	3:ICD4 3:PK4 N/A:Snap	3:ICD4 3:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	N/A	N/A	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
PIC24EP128GP202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP128GP204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP128GP206	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP128MC202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP128MC204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP128MC206	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP256GP202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP256GP204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC24EP256GP206	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP256GU810	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP256GU814	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP256MC202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP256MC204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP256MC206	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP32GP202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP32GP203	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP32GP204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP32MC202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP32MC203	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP32MC204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP512GP202	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP512GP204	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP512GP206	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP512GP806	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP512GU810	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC24EP512GU814	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP512MC202	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP512MC204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP512MC206	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP64GP202	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP64GP203	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP64GP204	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP64GP206	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP64MC202	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP64MC203	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP64MC204	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24EP64MC206	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC24F04KA200	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244028	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F04KA201	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244028	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F04KL100	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F04KL101	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KA101	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244028	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KA102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244028	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KL200	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KL201	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KL301	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KL302	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KL401	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KL402	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KM101	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC24F08KM102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KM202	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F08KM204	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KA101	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244028	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KA102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244028	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KA301	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KA302	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KA304	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KL401	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KL402	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KM102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KM104	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KM202	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F16KM204	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F32KA301	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F32KA302	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24F32KA304	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ1024GA606	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ1024GA610	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ1024GB606	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ1024GB610	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128DA106	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128DA110	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128DA206	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128DA210	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA006	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA008	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA010	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA106	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA108	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA110	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA202	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA204	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA306	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA308	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA310	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA412	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA606	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA610	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA702	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA704	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GA705	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC24FJ128GB106	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB108	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB110	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB202	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB204	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB206	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB210	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB412	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB606	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GB610	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GC006	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GC010	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GL302	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GL303	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GL305	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GL306	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GL405	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GL406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GL408	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GL410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GU405	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GU406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GU408	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ128GU410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ16GA002	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162088	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ16GA004	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162094	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ16MC101	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ16MC102	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ192GA106	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ192GA108	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ192GA110	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ192GB106	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ192GB108	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ192GB110	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256DA106	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256DA110	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256DA206	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256DA210	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA106	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA108	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA110	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA412	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA606	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA610	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA702	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GA704	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC24FJ256GA705	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB106	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB108	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB110	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB206	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB210	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB412	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB606	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GB610	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GL405	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GL406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GL408	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GL410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GU405	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GU406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GU408	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ256GU410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32GA002	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162088	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32GA004	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162094	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32GA102	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32GA104	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32GB002	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32GB004	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32MC101	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32MC102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ32MC104	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ48GA002	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162088	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ48GA004	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162094	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GA606	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GA610	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GB606	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GB610	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GL405	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GL406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GL408	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GL410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GU405	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GU406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GU408	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ512GU410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA002	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162088	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA004	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162094	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA006	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA008	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA010	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA102	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA104	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA106	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA108	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA110	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA202	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA204	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA306	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA308	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA310	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA412	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA702	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA704	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GA705	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB002	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB004	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB106	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB108	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB110	5	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB202	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB204	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB406	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB410	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GB412	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GC006	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GC010	5	5	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GL302	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GL303	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GL305	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ64GL306	6	6	R/W	3	3S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ96GA006	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ96GA008	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FJ96GA010	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC162065	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
AC244022	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV08KM101	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV08KM102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV08KM202	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV08KM204	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC24FV16KA301	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV16KA302	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV16KA304	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV16KM102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV16KM104	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV16KM202	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV16KM204	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV32KA301	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV32KA302	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24FV32KA304	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP206	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP206A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP210	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP210A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP306	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP306A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP310	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP310A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP502	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP504	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP506	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP506A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP510	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ128GP510A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ12GP201	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ12GP202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ16GP304	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ256GP206	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ256GP206A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ256GP210	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ256GP210A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ256GP610	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ256GP610A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ32GP202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ32GP204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ32GP302	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ32GP304	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP206	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP206A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP210	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP210A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP502	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP504	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP506	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP506A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP510	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC24HJ64GP510A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
PIC32CX0525SG12084	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC32CX0525SG12144	6	2	R/W/Either	0	No	N/A	No	No	No	No	Yes	No	No	N/A	N/A	No	No	No
PIC32MK0256GPG048	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0256GPG064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0256MCJ048	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0256MCJ064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512GPD064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512GPD100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512GPE064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512GPE100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512GPG048	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512GPG064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512GPK064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512GPK100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512MCF064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512MCF100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512MCJ048	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512MCJ064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512MCM064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK0512MCM100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024GPD064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024GPD100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024GPE064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024GPE100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024GPK064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024GPK100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024MCF064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024MCF100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024MCM064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MK1024MCM100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0016GPL020	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0016GPL028	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0016GPL036	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0032GPL020	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0032GPL028	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0032GPL036	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0064GPL020	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0064GPL028	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0064GPL036	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0064GPM028	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0064GPM036	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0064GPM048	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0064GPM064	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0128GPM028	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0128GPM036	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0128GPM048	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0128GPM064	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0256GPM028	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0256GPM036	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0256GPM048	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MM0256GPM064	4	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MX110F016B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX110F016C	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC32MX110F016D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX120F032B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX120F032C	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX120F032D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX120F064H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX130F064B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX130F064C	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX130F064D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX130F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX130F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX130F256B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX130F256D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX150F128B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX150F128C	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX150F128D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX150F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX150F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX154F128B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX154F128D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX170F256B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX170F256D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX170F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX170F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX174F256B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX174F256D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX210F016B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX210F016C	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX210F016D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX220F032B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX220F032C	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX220F032D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX230F064B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX230F064C	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX230F064D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX230F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX230F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX230F256B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX230F256D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX250F128B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX250F128C	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX250F128D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX250F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX250F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX254F128B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX254F128D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX270F256B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX270F256D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX270F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX270F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX274F256B	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX274F256D	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC32MX320F032H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX320F064H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX320F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX320F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX330F064H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX330F064L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX340F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX340F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX340F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX340F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX350F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX350F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX350F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX350F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX360F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX360F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX370F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX370F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX420F032H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX430F064H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX430F064L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX440F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX440F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX440F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC32MX440F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX450F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX450F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX450F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX450F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX460F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX460F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX470F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX470F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	Yes	Yes
PIC32MX530F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX530F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX534F064H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX534F064L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX550F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX550F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX564F064H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX564F064L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX564F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX564F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX570F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX570F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	No	No	No	No	Yes	Yes	N/A	Yes	No	Yes
PIC32MX575F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX575F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX575F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX575F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC32MX664F064H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX664F064L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX664F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX664F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX675F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX675F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX675F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX675F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX695F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX695F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX764F128H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX764F128L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX775F256H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX775F256L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX775F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX775F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MX795F512H	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC32MX795F512L	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
PIC32MZ0512EFE064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFE100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFE124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFE144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFF064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFF100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFF124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFF144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFK064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFK100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFK124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ0512EFK144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECG064	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECG100	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECG124	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECG144	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECH064	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECH100	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECH124	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECH144	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECM064	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECM100	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECM124	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024ECM144	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFE064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFE100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFE124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFE144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFF064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFF100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFF124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFF144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFG064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFG100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFG124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFG144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFH064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFH100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFH124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFH144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFK064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFK100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFK124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFK144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFM064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFM100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFM124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1024EFM144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAA169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC32MZ1025DAA176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAA288	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAB169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAB176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAB288	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAG169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAG176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAH169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAH176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAK169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAK176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAL169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAL176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAR169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAR176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAS169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025DAS176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1025W104132	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAA169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAA176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAA288	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAB169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAB176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAB288	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAG169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAG176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAH169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAH176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAK169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAK176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAL169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAL176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAR169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAR176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAS169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ1064DAS176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAA169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAA176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAA288	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAB169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAB176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAB288	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAG169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAG176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAH169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAH176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAK169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAK176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAL169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAL176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAR169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAR176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
PIC32MZ2025DAS169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2025DAS176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECG064	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECG100	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECG124	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECG144	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECH064	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECH100	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECH124	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECH144	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECM064	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECM100	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECM124	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048ECM144	8	4	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFG064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFG100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFG124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFG144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFH064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFH100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFH124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFH144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFM064	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFM100	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFM124	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2048EFM144	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAA169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAA176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAA288	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAB169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAB176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAB288	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAG169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAG176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAH169	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAH176	8	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAK169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAK176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAL169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAL176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAR169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAR176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAS169	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
PIC32MZ2064DAS176	6	2	R/W/Either	2	3S / 3BPS	N/A	No	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	N/A	Yes	No	Yes
dsPIC30F1010	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC30F2010	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F2011	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC30F2012	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F2020	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC30F2023	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC30F3010	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F3011	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F3012	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F3013	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F3014	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F4011	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F4012	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F4013	1:ICD4 1:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F5011	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F5013	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F5015	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F5016	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6010	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6010A	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6011	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6011A	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC30F6012	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6012A	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6013	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6013A	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6014	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6014A	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC30F6015	2:ICD4 2:PK4 N/A:Snap	4:ICD4 4:PK4 N/A:Snap	R/W:ICD4 R/W:PK4 N/A:Snap	1:ICD4 1:PK4 N/A:Snap	2S / 4BPS:ICD4 2S / 4BPS:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	N/A	Yes:ICD4 Yes:PK4 N/A:Snap	Yes:ICD4 Yes:PK4 N/A:Snap	Yes
dsPIC33CH128MP202	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP202S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP203	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP203S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP205	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP205S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP206	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP206S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP208	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP208S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP502	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP502S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP503	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP503S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP505	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP505S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP506	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP506S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP508	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH128MP508S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP205	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP205S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP206	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP206S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP208	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP208S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP505	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP505S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP506	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP506S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH256MP508	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33CH256MP508S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP205	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP205S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP206	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP206S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP208	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP208S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP505	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP505S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP506	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP506S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP508	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH512MP508S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP202	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP202S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP203	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP203S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP205	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP205S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP206	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP206S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP208	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP208S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP502	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP502S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP503	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP503S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP505	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP505S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP506	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP506S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP508	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CH64MP508S1	1 + 2SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP202	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP203	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP205	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP206	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP208	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP502	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP503	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP505	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP506	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK128MP508	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP202	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP203	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP205	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP206	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP208	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP502	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP503	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP505	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK256MP506	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33CK256MP508	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MC102	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MC103	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MC105	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP102	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP103	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP105	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP202	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP203	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP205	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP206	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP502	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP503	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP505	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK32MP506	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MC102	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MC103	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MC105	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP102	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP103	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP105	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP202	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP203	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP205	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP206	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP208	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP502	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP503	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP505	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP506	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33CK64MP508	3 + 5SP	5	R/W	0	No	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	N/A	N/A	No	No	Yes
dsPIC33EDV64MC205	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GM304	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GM306	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GM310	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GM604	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GM706	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GM710	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33EP128GP502	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GP504	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GP506	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS702	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS704	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS705	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS706	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS708	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS804	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS805	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS806	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128GS808	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128MC202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128MC204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128MC206	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128MC502	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP128MC504	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33EP128MC506	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP16GS202	1 + 3SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP16GS502	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP16GS504	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP16GS505	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP16GS506	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GM304	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GM306	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GM310	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GM604	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GM706	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GM710	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GP502	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GP504	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256GP506	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256MC202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256MC204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33EP256MC206	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256MC502	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256MC504	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256MC506	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256MU806	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256MU810	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP256MU814	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32GP502	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32GP503	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32GP504	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32GS202	1 + 3SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32GS502	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32GS504	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32GS505	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32GS506	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32MC202	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32MC203	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33EP32MC204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32MC502	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32MC503	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP32MC504	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GM304	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GM306	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GM310	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GM604	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GM706	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GM710	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GP502	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GP504	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GP506	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512GP806	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512MC202	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512MC204	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512MC206	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33EP512MC502	2 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512MC504	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512MC506	2 + 2SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512MC806	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512MU810	5 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP512MU814	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GP502	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GP503	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GP504	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GP506	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GS502	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GS504	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GS505	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GS506	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GS708	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GS804	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GS805	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33EP64GS806	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64GS808	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64MC202	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64MC203	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64MC204	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64MC206	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64MC502	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64MC503	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64MC504	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EP64MC506	2	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV128GM002	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV128GM003	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV128GM004	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV128GM006	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV128GM102	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV128GM103	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV128GM104	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33EV128GM106	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV256GM002	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV256GM003	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV256GM004	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV256GM006	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV256GM102	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV256GM103	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV256GM104	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV256GM106	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV32GM002	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV32GM003	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV32GM004	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV32GM006	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV32GM102	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV32GM103	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV32GM104	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV32GM106	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33EV64GM002	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV64GM003	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV64GM004	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV64GM006	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV64GM102	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV64GM103	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV64GM104	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33EV64GM106	3 + 5SP	5	R/W	2	2S / 5BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes:ICD4 No:PK4 No:Snap	Yes
dsPIC33FJ06GS001	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ06GS101	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ06GS101A	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ06GS102	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ06GS102A	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ06GS202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ06GS202A	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ09GS302	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP206	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP206A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP306	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP306A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP310	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP310A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP706	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP706A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP708	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP708A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP710	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP710A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP802	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128GP804	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC506	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC506A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33FJ128MC510	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC510A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC706	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC706A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC708	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC708A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC710	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC710A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC802	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ128MC804	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ12GP201	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ12GP202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ12MC201	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ12MC202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16GP101	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16GP102	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16GP304	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16GS402	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16GS404	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16GS502	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16GS504	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16MC101	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16MC102	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ16MC304	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256GP506	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256GP506A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256GP510	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256GP510A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256GP710	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256GP710A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256MC510	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256MC510A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256MC710	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ256MC710A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GP101	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GP102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GP104	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GP202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GP204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GP302	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GP304	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GS406	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GS606	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GS608	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32GS610	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32MC101	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32MC102	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32MC104	3	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32MC202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32MC204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32MC302	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ32MC304	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes

Device or Header	ICD4, PK4, Snap, AI			ICD4, PK4, Snap														PK4
	Prog BPs (1)	Data BPs (1)	Data BP Access	Tuples (ANDed BPs)	Sequenced BPs	Range BPs	Table R/W BPs	Pass Counter	Clock Switch Break	Sleep Wake Break	Stack Over/Under Break	WDT Timeout Break	Stopwatch	Debug Reads	Stack Snapshot	Runtime BPs	SW BPs	PTG Support
dsPIC33FJ64GP202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP206	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP206A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP306	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP306A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP310	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP310A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP706	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP706A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP708	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP708A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP710	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP710A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP802	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GP804	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GS406	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GS606	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GS608	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64GS610	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC202	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC204	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC506	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC506A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC508	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC508A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC510	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC510A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC706	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC706A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC710	4	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC710A	6	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC802	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes
dsPIC33FJ64MC804	2	6	R/W	3	3S / 6BPS	N/A	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	N/A	Yes	Yes	Yes

Note 1: For most 8- and 16-bit devices all the following use the same registers/resources: hardware breakpoints; data captures; runtime watches. For example: if you use a data capture resource for a symbol you will not be able to use a hardware breakpoint or runtime watch resource for that symbol.
For most PIC32 devices all the following use the same registers/resources: data captures; runtime watches. Hardware breakpoints use different resources. For example: if you use a data capture resource for a symbol you will not be able to use a runtime watch resource for that symbol and vice versa.

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Hardware Tool Debug Features Table - Heading Descriptions

Tool Support*	Feature	Feature Description**
ICD4, PK4, Snap, AI	**Device or Header**	Device or Header (AC) has current release support in MPLAB® X IDE.
	Prog BPs	Maximum number of Program Memory breakpoint resources. X: Maximum number of program breakpoints. (**Note:** For some devices, resources are shared.) X + YSP: X breakpoints + Y simple breakpoints.
	Data BPs	Maximum number of Data Memory breakpoint resources. X: Maximum number of data breakpoints. (**Note:** For some devices, resources are shared.)
	Data BP Access	Break on data fetch, data write or either data fetch or write.
ICD4, PK4, Snap	**Tuples (ANDed BPs)**	Maximum number of Tuples (ANDed breakpoints). A tuple consists of one program memory breakpoint ANDed with one data memory breakpoint. Breakpoint 1 AND breakpoint 2 must occur at the same time before a program halt.
	Sequenced BPs	Maximum number of sequences and sequenced breakpoints. XS/YBPS: X is the maximum number of a breakpoint sequences (S). Y is the maximum number of breakpoints (BPS) in a sequence. A breakpoint sequence is a list of breakpoints that execute but do not halt until the last breakpoint is executed.
	Range BPs	Break on a range of program or data memory addresses.
	Table R/W BPs	Break on a table read or write.
	Pass Counter	Break after a specified number of passes occur, specified by a counter.
	Clock Switch Break	Break on clock switching
	Sleep Wake Break	Break on wake from Sleep
	Stack Over/Under Break	Break on stack overflow/underflow
	WDT Timeout Break	Break on Watchdog Timer timeout
	Stopwatch	Use the stopwatch with breakpoints to time code execution. Stopwatch uses 1-2 breakpoint resources.
	Debug Reads	Read values on program execution halt.
	Stack Snapshot	Applies to emulation headers. See: View Hardware Stack On Halt.
	Runtime BPs	Runtime breakpoint support; Add breakpoints on program execution halt.
	SW BPs	Software Breakpoints support.
PK4	**PTG Support**	Programmer To Go Support PICkit Programmer To Go (PTG) support for devices whose configuration settings can be read all at once (not broken up), have no more than 512K bytes program memory and do not have auxiliary Flash memory.

* ICD4 = MPLAB® ICD 4; PK4 = MPLAB PICkit™ 4; Snap = MPLAB Snap; AI = Atmel-ICE.
** See your tool documentation (PDF or Help file) for details on debug features.