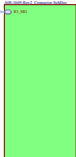


U1_A00-1609-Ren2_S2
A00-1609-Ren2_S2-0-0000



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U1_A00-1609-Ren2_Connector
A00-1609-Ren2_Connector-0-0000

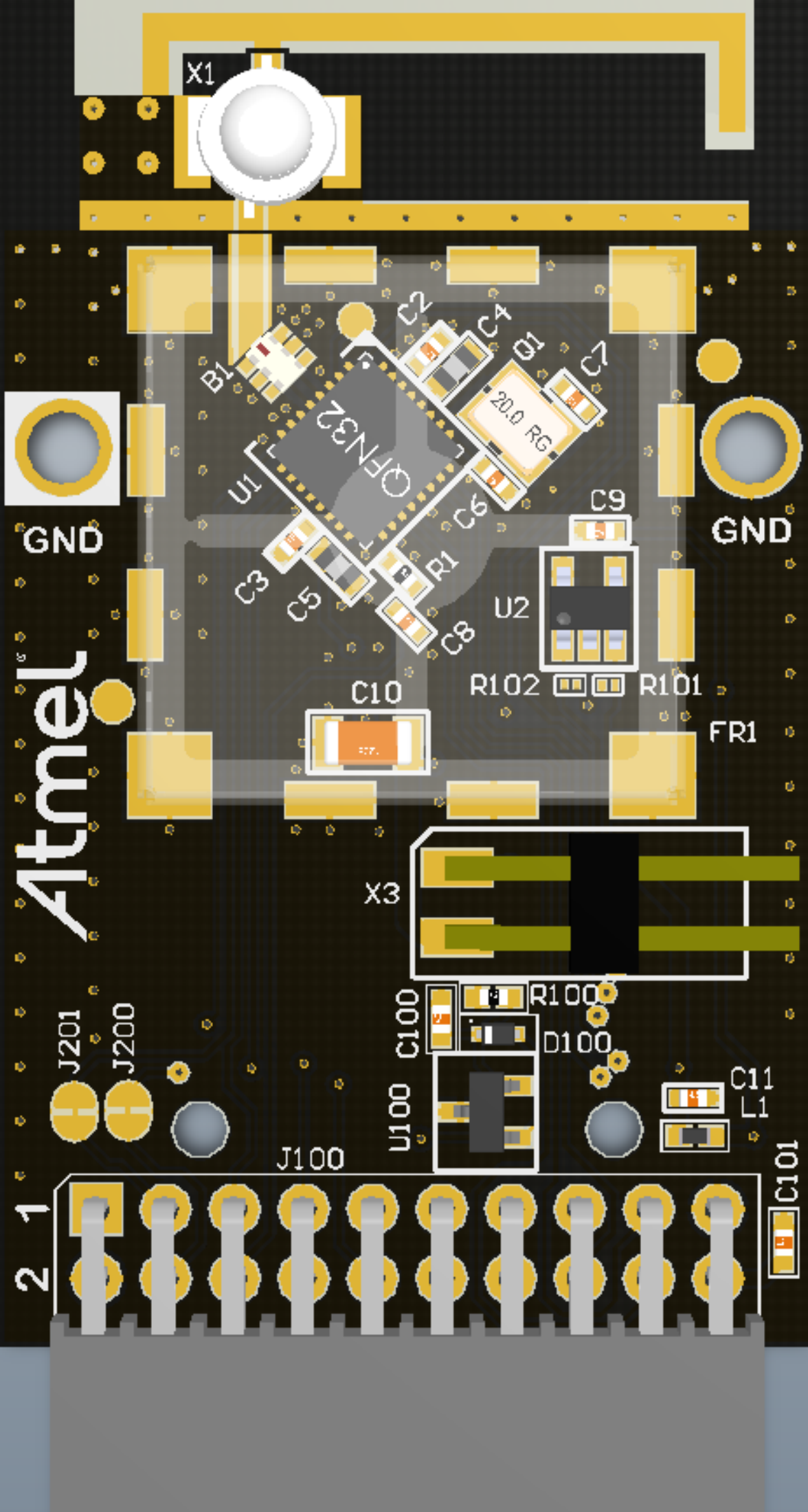


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A00-1609-Ren2_S2-0-0000			 ANALOG MIXED SIGNAL TECHNOLOGIES		
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143, Dr. 902-Ren2					
Derungodi, Chennai					
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TITLE: A00-1609-Ren2 - Top Level					
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Atmel



WIRELESS **X** PLAINED PRO
REB233-XPRO



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PCBA LABEL

A08-1669 Rev 2

















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System	Alt. Court.	Test Date	Passes	Test Type
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Designator	Quantity	Value	Manufacturer	MPN	Description
B1	1	tbd	Johanson Technology	tbd	Filtered Balun to match AT86RF232/ 233
C2	1	100nF	Murata	GRM155R71C104KA88D	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%(de19761)
C3	1	100nF	Murata	GRM155R71C104KA88D	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%(de19761)
C4	1	1uF	Murata	GRM188R61C105KA12D	Ceramic capacitor, SMD 0603, X5R, 16V, 10%(de19763)
C5	1	1uF	Murata	GRM188R61C105KA12D	Ceramic capacitor, SMD 0603, X5R, 16V, 10%(de19763)
C6	1	10pF	Panasonic	ECJ0EC1H100D	Ceramic capacitor, SMD 0402, NP0, 50V, +/-5%(de16674)
C7	1	10pF	Panasonic	ECJ0EC1H100D	Ceramic capacitor, SMD 0402, NP0, 50V, +/-5%(de16674)
C8	1	2.2pF	Murata	GRM1555C1H2R2CZ01D	Ceramic capacitor, SMD 0402, NP0, 50V, +/-0.25pF (de23847)
C9	1	100nF	Murata	GRM155R71C104KA88D	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%(de19761)
C10	1	10u	Murata	GRM319R60J106KE19	Ceramic capacitor, SMD 1206, X5R, 6.3V, ±10%
C11	1	100nF	Murata	GRM155R71C104KA88D	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%(de19761)
C100	1	4.7uF	Murata	GRM155R60J475ME87D	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-20%(de33687)
C101	1	4.7uF	Murata	GRM155R60J475ME87D	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-20%(de33687)
D100	1	BAT54XV2T1G	ON Semiconductor	BAT54XV2T1G	Schottky diode, If:200mA, Vf:0.35V, Vrm:30V, SOD-523
E1	1	SJ-5076	3M	SJ-5076	2.8mm adhesive feet,diam 8.0mm
E2	1	SJ-5076	3M	SJ-5076	2.8mm adhesive feet,diam 8.0mm
J100	1	1F201-2*10RGF-W2-NF	Pro-data International Corp	F201-2*10RGF-W2-NF	2x10, female pin header receptable, right-angled, 2.54mm pitch, THM, Pin In Paste
JS1	1	SNT-100-BK-G	SAMTEC	SNT-100-BK-G	Jumper cap for 2.54mm pinheader
L1	1	BLM15BB221SN1	Murata	BLM15BB221SN1	SMD RF inductor 0402. Z=220Ohm (@100MHz), Max R(dc)=0.80Ohm, Max current=200mA
LABEL1	1	Label PCBA with IC ID and FCC ID	ACT Logimark AS	505462	Label for use on wireless PCBA that needs IC ID and FCC ID
PCB1	1	REB233mkII Extension PCB for Xplained PRO			PCB manufacturing documentation
Q1	1	16.0MHz	Epson Toyocom	TSX-3225 16.0000MF09Z-AC3	16MHz uXtal, 3.2 x 2.5 mm SMD, CL=9pF, 15PPM, ESR=80ohm(Max.
R1	1	470R	Samsung	RC1005F 4700CS	Thick film resistor, SMD 0402, 1/16W, 1%(de19764)
R100	1	100k			Thick film resistor, SMD 0402, 1/16W, 1%
R101	1	10 k	ROHM	MCR006YZPJ103+	Thick film resistor, SMD 0201, 1/20W, 5%
R102	1	10 k	ROHM	MCR006YZPJ103+	Thick film resistor, SMD 0201, 1/20W, 5%
T200	1	TESTPAD			Single SMD testpad
U1	1	AT86RF233-ZU	ATMEL	AT86RF233-ZU	2.4GHz Transceiver
U2	1	AT24MAC602-STUM-T	ATMEL	AT24MAC602-STUM-T	2kbit Serial (TWI) EEPROM, AT24C02B, 1.8-5V
U100	1	ATSHA204 SW1 SOT23-3	ATMEL	ATSHA204-TSU-T	ATSHA204 with 1-wire interface and SOT23-3 package
X1	1	MS-147+FF_PCB-Antenna	HIROSE	CL358-150-5-06	2.4GHZ PCB F-type Antenna integrated with MS-147 switch connector
X3	1	Horizontal HEADER 1x2	SAMTEC	TSM-102-01-T-SH	1x2 horizontal pin header, 2.54 mm pitch, SMD