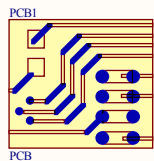
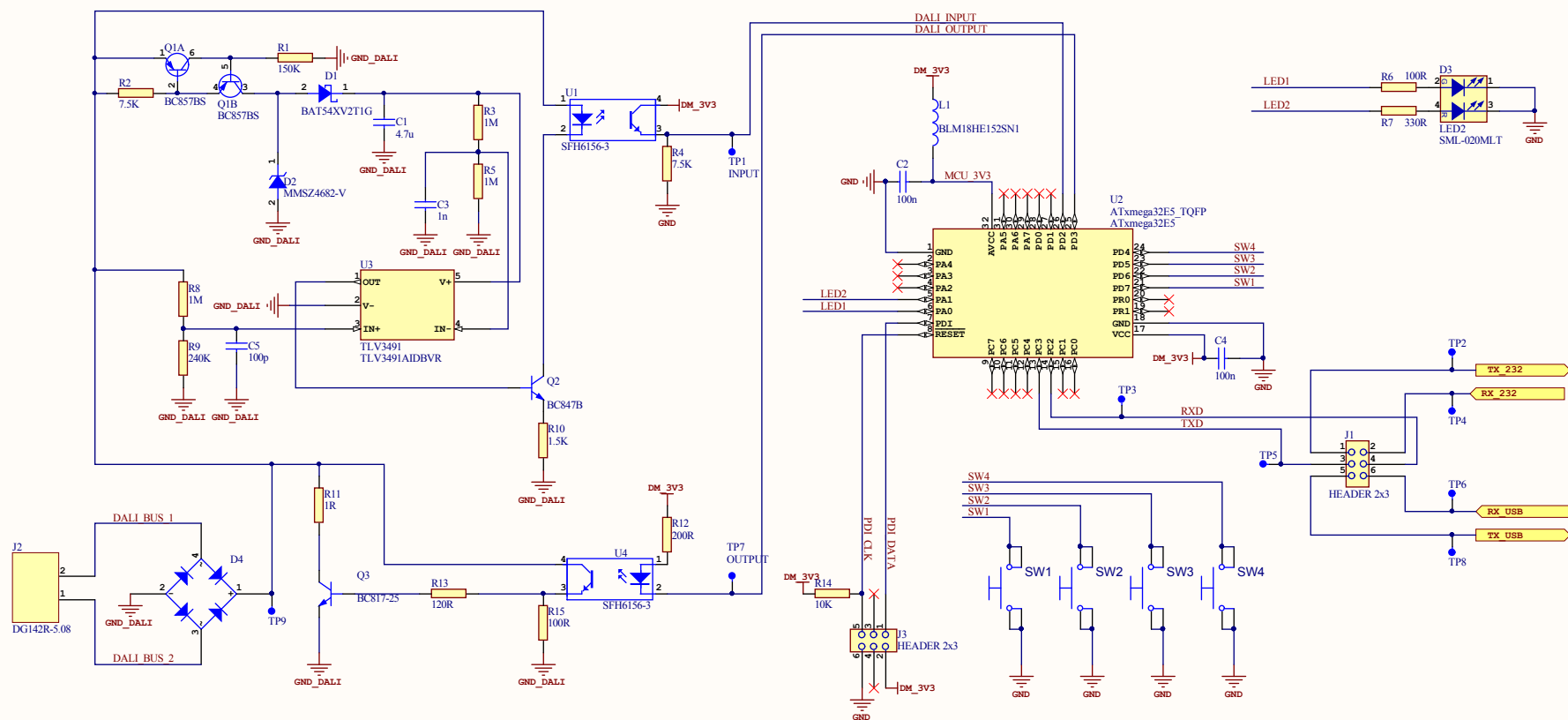


DAI Master



LABEL1



Product number/revision
Serial number

Label PCBA



Z1



Z3

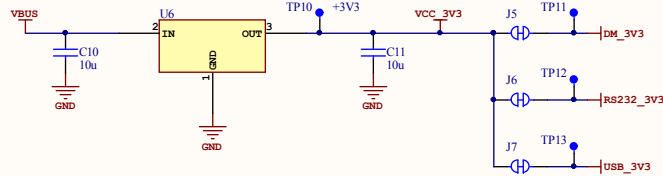


24

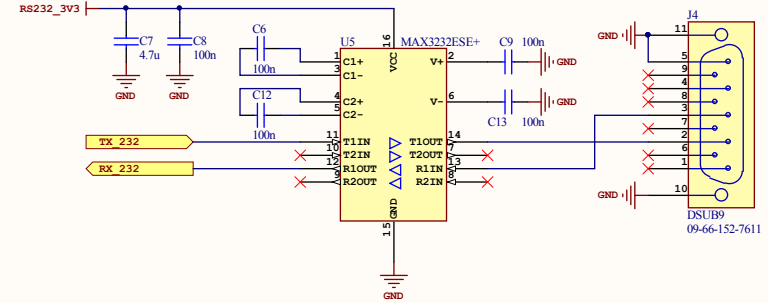
ATMEL Shanghai		*		 Enabling Unlimited Possibilities	
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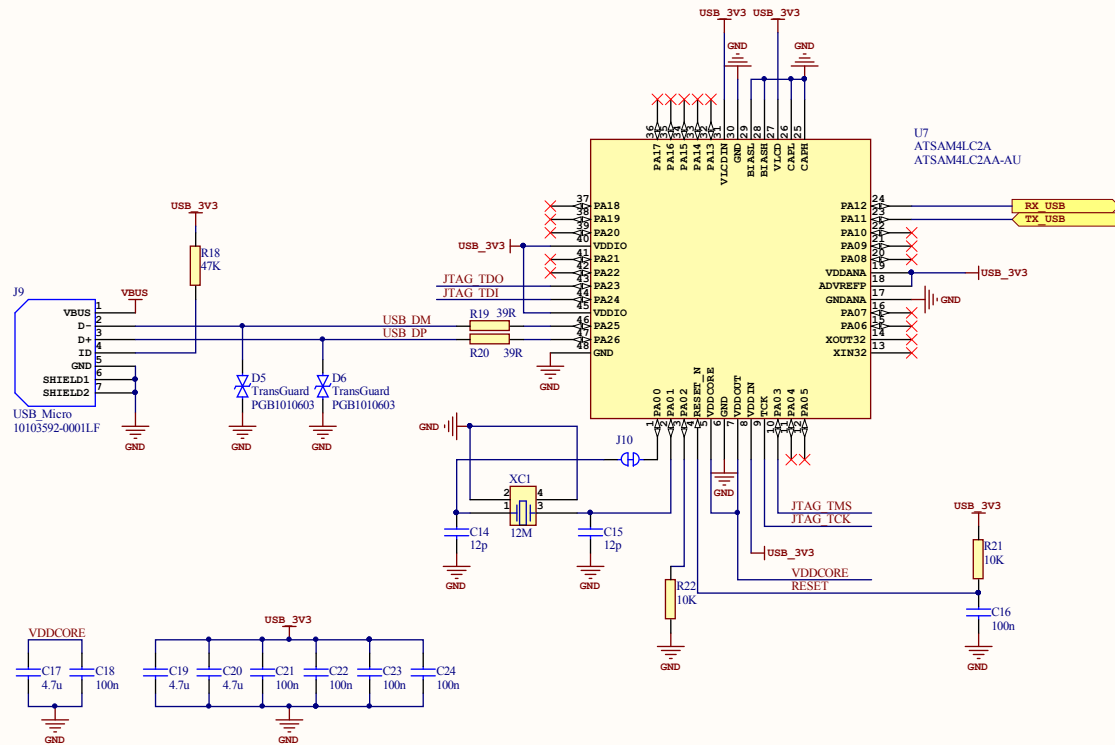
Power Supply



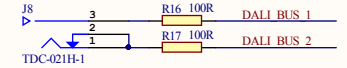
RS232



USB UART Bridge

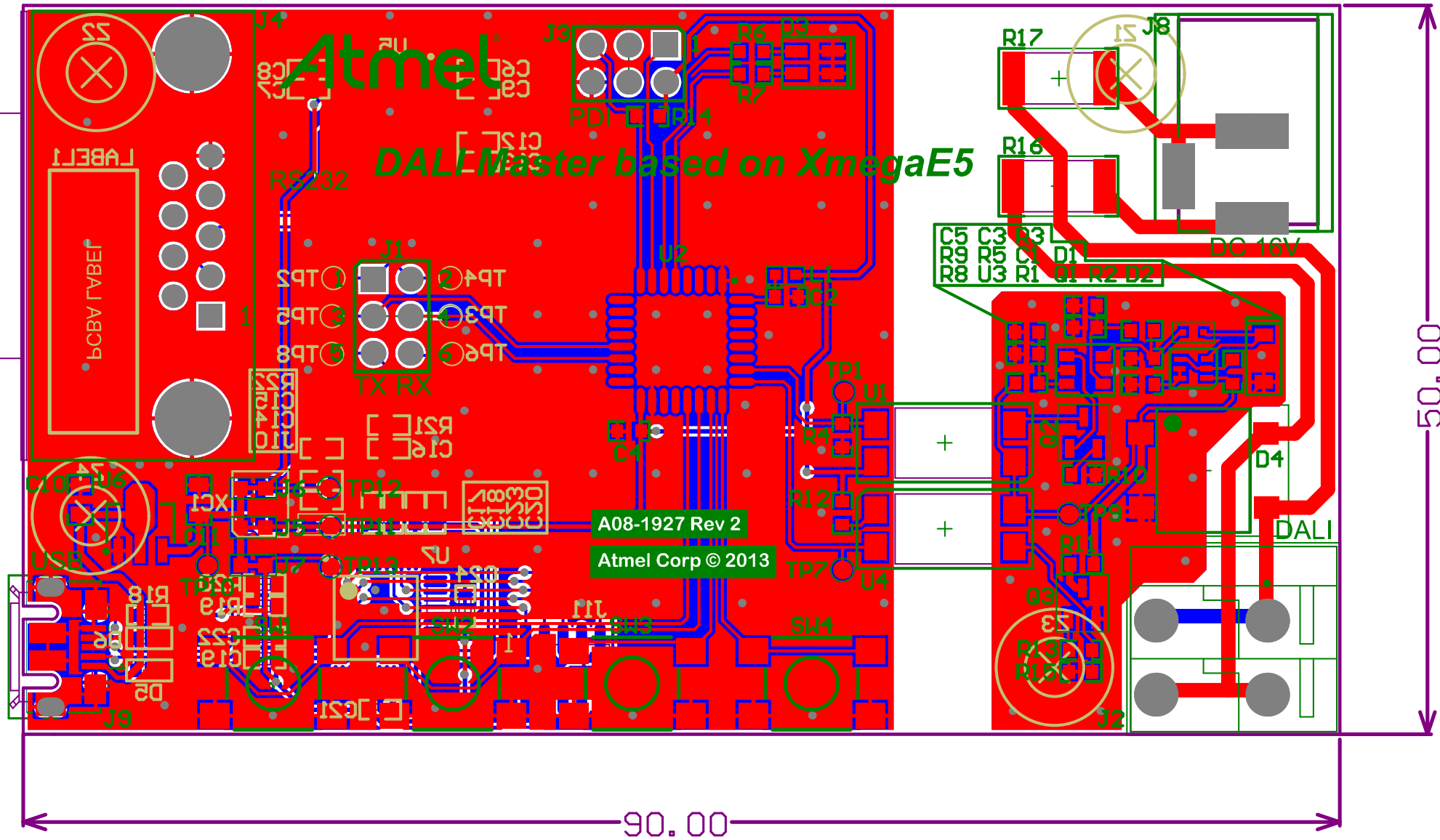


DALI Bus Power Supply



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Atmel
Enabling Unlimited Possibilities



Comment	Description	Designator	Footprint	LibRef	Manufacturer	MPN	Quantity	Value
1735527 @ element14	capacitor, SMD 0603, XSR, 5.2V, 70%	C1, C17, C19, C20	AP1-00096	A01-0596	Murata	GRM188R60J4 754E19D	4	4.7u
1820990 @ element14	ceramic capacitor, SMD 0603, X7R, 16V, 70%	C2, C4, C16, C18, C21, C22, C23, C24	AP1-00096	A01-0597	Murata	GRM188R71C1 04KA01D	8	100n
8819955 @ element14	ceramic capacitor, SMD 0603, X7R, 50V, 70%	C3	AP1-00096	A01-0598	Murata	GRM188R71H1 02KA01D	1	1n
8819866 @ element14	ceramic capacitor, SMD 0603, COG, 50V, 7%	C5	AP1-00096	A01-0599	Murata	GRM1885C1H1 01JA01D	1	100p
1889282 @ element14	ceramic capacitor, SMD 0805, X6S, 16V, 70%	C10, C11	AP1-00097	A01-0601	Murata	GRM218C81C1 06KA73L	2	10u
1828907 @ element14	ceramic capacitor, SMD 0603, COG, 50V, 7%	C14, C15	AP1-00096	A01-0600	Murata	GRM1885C1H1 20JA01D	2	12p
Farnell# 1615809	2-wire 200mA, Vf=0.35V, Vfms=3V, SOD- 523	D1	AP4-00036	A04-0049	ON Semiconductor	BAT54XV2T1G	1	BAT54XV2T1G
GENERAL_SMD LED	SOD-123 LED - red (RED/GREEN), transparent clear lens, SMD	D2	AP4-00012	A04-0093	vishay	MMSZ4682-V	1	MMSZ4682-V
LED2	SMD bridge rectifier, 1A, Vfms=1k, Vfcs=700, Vdc=1k	D3	AP4-00030	A10-0027	ROHM	SML-020MLT	1	SML-020MLT
DIODEBRIDGE	SMD bridge rectifier, 1A, Vfms=1k, Vfcs=700, Vdc=1k	D4	AP4-00009	A04-0007	vishay	DF105-E3/ 77	1	DF105-E3/ 77
TransGuard	ESD Suppressor	D5, D6	AP4-00024	A04-0018	Littelfuse	PGS1010603N R	2	PGS1010603N
HEADER 2x3	2x3 pin header, 2.54 mm pitch, Pin-in-Paste THM	J1, J3	AP8-00182	A08-0006			2	CD075014 2X3
Cable_connecto r_2Pin	Cable connector, 2Pin, through-hole	J2	AP8-00788	A08-1925		DG142R-5.08	1	DG142R-5.08
Farnel #224959	Through hole DC jack 2.1mm	J8	AP8-00017	A08-0640	Technic Industrial Company	TDC-021H-1	1	TDC-021H-1
USB_Micro	Micro USB B Connector	J9	AP8-00610	A08-1472	FCI	50031LF	1	50031LF
INDUCTOR	SMD Indu uctor 0603, 2-1500Ohm (@100MHz), Max Rdc>=0.500Ohm, Max current=500mA	L1	AP3-00005	A03-0036	Murata	BLM18HE1525 N1	1	BLM18HE1525 N1
PCB	Onex resatur based on XmegaE5 PCB	PCB1		A08-1927			1	
PNP DIJAL	general purpose SMD small signal BJT Dual transistor, 2xPNP Body Soc83	Q1	AP5-00001	A05-0037	Philips	BC857BS	1	BC857BS
1081232 @ element14	general purpose SMD small signal BJT transistor, Polarity NPN, Body SOT23, Pb-free, 0.25W, Vf(cso)=45V, Ifc)=0.1A, fT)=200 450, fT)=100MHz	Q2	AP5-00002	A05-0126	NXP	BC847B	1	BC847B
NPN BEC	general purpose SMD small signal BJT transistor, Polarity NPN, Body SOT23,	Q3	AP5-00002	A05-0125	NXP	BC817-25	1	BC817-25
9238743 @ element14	SMD 0603, 1/10W, 1%	R1	AP2-00066	A02-0815	YAGEO CORP	RC0603FR- 07150KL	1	150K
1792633 @ element14	SMD 0603, 1/10W, 1%	R2, R4	AP2-00066	A02-0814	YAGEO CORP	RC0603FR- 077KSL	2	7.5K
9238840 @ element14	SMD 0603, 1/10W, 1%, 1%	R3, R5, R8	AP2-00066	A02-0816	YAGEO CORP	RC0603FR- 0714M	3	1M
1250519 @ element14	SMD 0603, 1/10W, 1%	R6, R15	AP2-00066	A02-0819	YAGEO CORP	RC0603FR- 07100RL	2	100R
9238429 @ element14	SMD 0603, 1/10W, 1%	R7	AP2-00066	A02-0822	YAGEO CORP	RC0603FR- 07339RL	1	330R
R2	SMD 0603, 1/10W, 1%	R9	AP2-00066	A02-0817	YAGEO CORP	RC0603FR- 07240KL	1	240K
9238506 @ element14	SMD 0603, 1/10W, 1%, 1%	R10	AP2-00066	A02-0818	YAGEO CORP	RC0603FR- 0714KSL	1	1.5K
9238123 @ element14	SMD 0603, 1/10W, 1%	R11	AP2-00066	A02-0825	YAGEO CORP	RC0603FR- 0714RL	1	1R
1799325 @ element14	SMD 0603, 1/10W, 1%	R12	AP2-00066	A02-0826	YAGEO CORP	RC0603FR- 07200RL	1	200R
9238379 @ element14	SMD 0603, 1/10W, 1%	R13	AP2-00066	A02-0820	YAGEO CORP	RC0603FR- 07120RL	1	120R
9238607 @ element14	SMD 0603, 1/10W, 1%	R14, R21, R22	AP2-00066	A02-0821	YAGEO CORP	RC0603FR- 0710KL	3	10K
1283115 @ element14	SMD 2512, 1W, 1%	R16, R17	AP2-00068	A02-0831	YAGEO CORP	RC2512FR- 07100RL	2	100R
9238687 @ element14	SMD 0603, 1/10W, 1%	R18	AP2-00066	A02-0827	YAGEO CORP	RC0603FR- 0747KL	1	47K
9238310 @ element14	SMD 0603, 1/10W, 1%	R19, R20	AP2-00066	A02-0823	YAGEO CORP	RC0603FR- 0739RL	2	39R
(S357 ATXmega32E5) TQFP	32-pin QFN, High Relability, 5300 VRMS ANALOG INPUT MCU TQFP32	U1, U4 U2	AP6-00142 AP6-00061	A10-0103 A06-0854	vishay ATMEL	SFH6156-3 ATXmega32E5- AU	2 1	SFH6156-3 ATXmega32E5
TLV3491	1.8V, Nanopower, PUSH-PULL OUTPUT COMPARATOR, sot23-5	U3	AP6-00087	A06-0912	Texas Instruments	TLV3491AIDBV R	1	TLV3491AIDBV R
HT7533-2	100mA Low Power LDO	U6	AP5-00036	A06-1050	Hottek	HT7533-2	1	HT7533-2
ATSAMLC2A	32-bit ARM MCU, SAMM1 Series	U7	AP6-00004	A06-1043	ATMEL	ATSAMLC2AA- AU	1	ATSAMLC2AA- AU
1836841 @ element14	2-wire 0.001A, 1.2 x 2.5 mm SMD, CL=18pF, 30PPM	XC1	AP7-00041	A07-0096	TXC Corporation	7M-12.000MAAJ T	1	12M
Datasheet & Des	adhesive PU Resin	Z1, Z2, Z3, Z4	AP8-00414	A08-0977	OKW	A8210290	4	A8210290