

Bill of Materials

power\_v3.1.PrjPCB

11-Jan-11

Quantity	Comment	Footprint	SupplierPartNumber	Designator	Description
19	33u	CC7343-D	593D336X9025D2	C1, C2, C3, C4, C5, C6, C7, C23, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40	Polarized capacitor
2	100n	CC3216-1206	C1206X104K1RACTU	C8, C9	Capacitor
8	0u47	CC3216-1206	GRM31MR71H474KA01	C10, C11, C12, C13, C14, C15, C16, C41	Capacitor
3	10u	RAD-0.1P	SK100M100ST	C17, C18, C42	Polarized capacitor
8	100n	CC2012-0805	C0805C104K5RAC	C19, C20, C21, C22, C24, C25, C26, C27	Capacitor
1	3u3	CC3528-B	293D35X9025B2	C28	Polarized capacitor
1	100u	RAD-0.2P	ECA-2AM01	C29	Polarized capacitor
1	POLYFUSE 1 A	RAD-0.2B	60R075	F1	Fuse
7	SMB-H	C3528	2743019446	L1, L2, L3, L4, L5, L6, L7	Ferrite bead
10	10uH	RAD-0.2L	R622LY-100K	L8, L9, L12, L13, L14, L15, L16, L17, L18, L19	Inductor
2	10uH	C3225-1210	NLC322522T-100K	L10, L11	Inductor
1	ACM1211	CMC1211	ACM1211-102-2PL-TL	L20	Common mode choke
1	DIN120	DIN120RA	65906-5	P1	DIN 120 pin edge connector
8	PXT4401	SOT-89R	PXT4401	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	NPN transistor
1	5100	C3216-1206	CRCW12065K10FKEA	R2	Resistor
2	1K5	C3216-1206	CRCW12061K50FKEA	R3, R4	Resistor
3	511	C3216-1206	CRCW1206511RFKEA	R5, R6, R7	Resistor
7	47K	C3216-1206	CRCW120647K5FKEA	R8, R9, R10, R11, R12, R45, R46	Resistor
9	10K	C3216-1206	CRCW120610K0FKEA	R13, R15, R17, R19, R21, R23, R25, R27, R47	Resistor
8	51R0	C3216-1206	CRCW120651R0FKEA	R14, R16, R18, R20, R22, R24, R26, R28	Resistor
8	1K	C3216-1206	CRCW12061K00FKEA	R29, R30, R31, R32, R33, R34, R35, R36	Resistor
8	22R1	C3216-1206	CRCW120622R1FKEA	R37, R38, R39, R40, R41, R42, R43, R44	Resistor
2	GND	SMTP	TP-107-02	TP1, TP2	Test point
1	BWR-15/165-D48	DCDC-C7	BWR-15/165-D48	U3	DC-DC converter dual output
1	UWR-5/1000-D48	DCDC-C7	UWR-5/1000-D48	U4	DC-DC converter single output
1	BMP-15/1.3-D48	DCDC-C11	BMP-15/1.3-D48	U5	DC-DC converter dual output
1	BWR-5/1700-D48A	DCDC-C4	BWR-5/1700-D48A	U6	DC-DC converter dual output
4	OP295GS	SO-G8	OP295GSZ	U7, U8, U13, U14	Dual op-amp
1	AD7888BR	SO-G16	AD7888BR	U9	Octal 12-bit ADC
1	MAX547ACMH	QFP10X10-G44/N	MAX547ACMH	U10	Octal 13-bit DAC
1	MAX6341	SO-G8	MAX6341ESA	U12	Voltage reference