

Designator	PLACE	Description	LibRef	PACKAGE	VALUE	PART#	Quantity	EXACT	VALID
C100, C208, C210, C211, C212, C213		Capacitor 0805 4.7uF 16V	C_4700_16V_0805	0805	4.7uF		6		
C101, C102, C103, C104, C105, C106, C203, C204		Capacitor 0402 10nF 16V	C_10_16V_0402	0402	10nF		8		
C107, C108, C109, C110, C500, C501		Capacitor 0402 100nF 16V	C_100_16V_0402	0402	100nF		6		
C200		Capacitor 1206 4.7uF 25V	C_4700_25V_1206	1206	4.7uF		1		
C201, C404		Capacitor 1206 100nF 100V	C_100_100V_1206	1206	100nF		2		
C202		Capacitor 0402 33pF 50V	C_0.033_50V_0402	0402	33pF		1		
C205, C206		Capacitor 1206 4.7uF 35V	C_4700_35V_1206	1206	4.7uF		2		
C207		Capacitor 0603 100nF 25V	C_100_25V_0603	0603	100nF		1		
C209, C401		Capacitor 0402 15nF 16V	C_15_16V_0402	0402	15nF		2		
C400, C402, C403		Capacitor 0402 100nF 6.3V	C_100_6.3V_0402	0402	100nF		3		
C406		Capacitor 1206 2.2uF 50V	C_2200_50V_1206	1206	2.2uF		1		
D100, D101, D102		Zener Diode, 16V @5mA, SOD123	D_ZE 16V SOD123	SOD-123	16V	BZT52C16-7-F	3		
D103, D104, D105, D106, D203, D400		Dual Series diode SOT23 70V 100mA	D_DS 70V 0.1A SOT23	SOT23-3	70V 0.1A	SBAS70-04LT1G	6		
D200		TVS Bi-Directional Diode 24V 400W DO-214AC	TVS BD 24V 400W	DO-214AC	24V	SMAJ24CA	1		
D201		Schottky Rectifier, 60 V, 0.5 A, Single, SOD-123	D_SC 60V 0.5A SOD123	SOD123	60V 0.5A	STPS0560Z	1		
D202		Schottky Rectifier, 60 V, 2 A, Single, SOD-123FL	D_SC 30V 2A SOD123	SOD123FL	30V 2A	PMEG3020EGW	1		
D204		Zener Diode, 5.6V @5mA, SOT-23	D_ZE 5.6V SOT-23	SOT-23	5.6V	BZX84C5V6	1		
D401		Zener Diode, 18V @5mA, SOT-23	D_ZE 18V SOT-23	SOT-23	18V	BZX84C18LT1G	1		
D402		Schottky Rectifier, 100 V, 5 A, Single, DO-214AC	D_SC 100V 5A DO-214AC	DO-214AC	100V 5A	HTA5U100	1		
D403		Schottky Rectifier, 60 V, 2 A, Single, SOD-123FL	D_SC 60V 2A SOD123	SOD123FL	60V 2A	NTS260ESFT1G	1		
F1		Littelfuse PTC SMD Fuse 1.1A 33V 2920L100	PTC 1.1A 33V	LF-2920L	1.1A	2920L100	1		
F2		Littelfuse PTC SMD Fuse 1.1A Hold, 6V, 1206	PTC 1.1A 6V	1206	1.1A 6V	nanosMDC110F	1		
J1		Ampseal Wire-to-Board Header, Right-Angle, 23 Circuits, 8A	Ampseal 23 RA	AMPSEAL 23	AMPSEAL 23 RA	770669-1	1		
J500, J501, J502		Solder jumper	Jumper Solder		Solder jumper		3		
L200		Inductor Power 22uH 2.2A	L_22u_2.2A	SRN8040	22uH	SRN8040-220M	1		
Q100, Q101, Q102, Q300, Q301, Q302, Q303, Q304, Q305, Q306		MOSFET-N 60V 1.2A SOT23	Q_MOS-N 60V 1.2A	SOT23-3	60V 1.2A	IRLML2060TRPBF	10		
Q400		MOSFET-P 60V 50A TO252	Q_MOS-P 60V 50A	TO-252	60V 50A	SUD50P06-15	1		
Q401		MOSFET-N 60V 100A SOT-669	Q_MOS-N 60V 100A	SOT-669	60V 100A	PSMN5R5-60YS	1		
R100		Resistor 1206 4.7k 1/4W	R_4700_1206	1206	4.7k		1		
R103, R104, R105, R109, R110, R111, R201, R303, R304, R305, R312, R313, R314, R320, R400, R412, R500		Resistor 0402 10k 1/16W	R_10000_0402	0402	10k		17		
R106, R107, R108, R318, R404		Resistor 0402 100k 1/16W	R_100000_0402	0402	100k		5		
R113, R114, R115, R408		Resistor 1206 10k 1/10W	R_10000_1206	1206	10k		4		
R116, R117, R118, R119, R306, R307, R308, R315, R316, R317, R319, R405, R406		Resistor 0402 1k 1/16W	R_1000_0402	0402	1k		13		
R200, R205, R402		Resistor 0402 22k 1/16W	R_22000_0402	0402	22k		3		
R202		Resistor 0402 3k 1/16W	R_3000_0402	0402	3k		1		
R203		Resistor 0402 12k 1/16W	R_12000_0402	0402	12k		1		
R204, R403, R410		Resistor 0402 68k 1/16W	R_68000_0402	0402	68k		3		
R300, R301, R302, R309, R310, R311		Resistor 1206 470 1/4W	R_470_1206	1206	470R		6		
R401		Resistor 0402 0R 1/16W	R_0_0402	0402	0R		1		
R407, R409		Resistor 1206 10m 1W	R_0.01_1206	1206	10m		2		
R411		Resistor 0402 100R 1/16W	R_100_0402	0402	100R		1		
U1		Atmel ATTINY88 LQFP32	ATTINY88-AU	TQFP32	ATTINY88	ATTINY88-AU	1		
U2		TPS54232 2-A, 28-V, 1-MHz, Step-Down DC-DC Converter With Eco-Mode™	BUCK_TPS54232	SO-8	TPS54232	TPS54232	1		
U3		SOT-23 High-Side Gate Driver IC	IRS10752LPBF	SOT23-6	IRS10752	IRS10752LTRPBF	1		
U4		5MHz, Low-Noise, Single, Dual, Quad CMOS Operational Amplifiers	OPA377	SOT23-5	OPA377	OPA377AIDBVT	1		
R101, R102	NL	Resistor 1206 4.7k 1/4W	R_4700_1206	1206	4.7k		2		
R112	NL	Resistor 1206 10k 1/10W	R_10000_1206	1206	10k		1		