

Designator	PLACE	Description	LibRef	PACKAGE	VALUE	PART#	Quantity	EXACT	VALID
C1		Capacitor 1206 100nF 100V	C_100_100V_1206	1206	100nF		1		
C2, C3		Capacitor 1206 4.7uF 35V	C_4700_35V_1206	1206	4.7uF		2		
C4, C5		Capacitor 0805 4.7uF 16V	C_4700_16V_0805	0805	4.7uF		2		
C7, C9, C11, C12		Capacitor 0402 2.2nF 50V	C_2.2_50V_0402	0402	2.2nF		4		
C8, C10, C13, C14		Capacitor 0402 100nF 16V	C_100_16V_0402	0402	100nF		4		
D1		Schottky Rectifier, 60 V, 0.5 A, Single, SOD-123	D SC 60V 0.5A SOD123	SOD123	60V 0.5A	STPS0560Z	1		
D2		TVS Bi-Directional Diode 24V 400W DO-214AC	TVS BD 24V 400W	DO-214AC	24V	SMAJ24CA	1		
D3		Zener Diode, 5.6V @5mA, SOT-23	D ZE 5.6V SOT-23	SOT-23	5.6V	BZX84C5V6	1		
D4, D5, D8, D9, D12, D13, D16, D17		Dual Series diode SOT23 70V 100mA	D DS 70V 0.1A SOT23	SOT23-3	70V 0.1A	SBAS70-04LT1G	8		
D6, D10, D11, D14, D15		Zener Diode, 16V @5mA, SOT-23	D ZE 16V SOT-23	SOT-23	16V	BZX84C18LT1G	5		
F1		Littelfuse PTC SMD Fuse 0.5A	PTC 0.5A 60V	LF-2920L	0.5A	2920L050DR	1		
Q1, Q5, Q6, Q11, Q12		MOSFET-P 60V 1.8 SOT23	Q MOS-P 60V 1.8A	SOT23-3	60V 1.8A	CPH3351	5		
Q2, Q7, Q8, Q9, Q10		MOSFET-N 60V 1.2A SOT23	Q MOS-N 60V 1.2A	SOT23-3	60V 1.2A	IRLML2060TRPBF	5		
Q3, Q4		PNP Transistor 65V 0.1A SOT23	Q PNP 65V 0.1A	SOT23-3	65V 0.1A	BC856BLT1G	2		
R1, R4, R6, R14, R21, R22, R25, R26, R30, R41, R42		Resistor 0402 68k 1/16W	R_68000_0402	0402	68k		11		
R2, R7, R8, R16, R27, R28, R29, R45, R46		Resistor 0402 22k 1/16W	R_22000_0402	0402	22k		9		
R3, R9, R13		Resistor 1206 10k 1/10W	R_10000_1206	1206	10k		3		
R5, R10, R15, R31, R32, R43, R44		Resistor 0402 1k 1/16W	R_1000_0402	0402	1k		7		
R11, R33, R34, R47, R48, R49		Resistor 0402 10k 1/16W	R_10000_0402	0402	10k		6		
R17, R18, R19, R20, R37, R38, R39, R40		Resistor 1206 2.2R 1/4W	R_2.2_1206	1206	2.2R		8		
R23, R24		Resistor 0402 1M 1/16W	R_1000000_0402	0402	1M		2		
SJ1, SJ2, SJ3, SJ4		Solder jumper	Jumper Solder		Solder jumper		4		
U1		Atmel ATTINY88 LQFP32	ATTINY88-AU	TQFP32	ATTINY88	ATTINY88-AU	1		
U2		LDO 5.0V 400mA SOT223	LDO LM2937IMP-5.0	SOT23-6	LM2937IMP-5.0	LM2937IMP-5.0/NOPB	1		
D7	NL	Dual Series diode SOT23 70V 100mA	D DS 70V 0.1A SOT23	SOT23-3	70V 0.1A	SBAS70-04LT1G	1		
R12	NL	Resistor 0402 1k 1/16W	R_1000_0402	0402	1k		1		