

Comment	Description	Designator	Footprint	LibRef	Quantity
USB_B			USB_B	USB_B	1
Cap Non-Pol SMD	Capacitor	C1, C2, C3, C4, C5	CAP-SM-0603	Cap Non-Pol SMD	5
D Schottky	Schottky Diode	D1, D2, D3	SS34	D Schottky	3
HK19F-DC5V-SHG	RELAY GEN PURPOSE DPDT 2A 48VDC	K1, K2, K3	FP-DS2Y-S-DC48V- MFG	CMP-05607-000125-1	3
LED SMD	LED	On1	LED_0603_Blue	LED SMD	1
Terminal Block	KF141-2.54-3-R	P1	PCBComponent_1	Terminal Block	1
Header 2	Header, 2-Pin	P2, P3	JP2	Header 2	2
Header 5	Header, 5-Pin	P4	JP5	Header 5	1
SI2302DS	MOSFET N-CH 20V 2.9A SOT23-3	Q1, Q2, Q3, Q4, Q5, Q6	FP-S-03946-IPC_B	CMP-02550-000243-1	6
RESISTOR SMD	Resistor	R1a, R1a_adj, R1c, R1d, R2, R3, R3a, R3b_0603, R3c, R3d_0603, R4, R4_0603, R5, RLED, RMOS1	RES-SM-0603	RESISTOR SMD	15
RESISTOR SMD	Resistor	R1b, R3b_0805, R3d_0805, R4_0805, R6, RMOS2, RMOS3, RMOS4	RES-SM-0805	RESISTOR SMD	8
RESISTOR	Resistor	RL	RES 1/2W	RESISTOR	1
Test Point		TP1, TP2, TP3, TP4, TP5, TP6, TP?	TP	Test Point	7
TL431	Adjustable Precision Shunt Regulator, 34 ppm/ degC, 100 mA, - 40 to 125 degC, 3-pin SOT-23 (DBZ), Green (RoHS& no Sb/Br)	U1	DBZ0003A_M	CMP-0366-01210-2	1
OPA333	IC OPAMP ZER-DRIFT 1CIRC SOT23-5	U2, U3, U4	FP-DBV0005A-MFG	CMP-0272-00862-4	3
10K	Var Resistor	VR1, VR2	VARISTOR2	Var Resistor	2
MMSZ4689T1G	Zener Diode, 5.1V V(Z), 5%, 0.5W, Silicon, Unidirectional	Zen1	ONSC-SOD-123-2-425- 04_V	CMP-004-00031-1	1