

Comment	Description	Designator	Footprint	Quantity	Manufacturer	Manufacturer partnumber	OC_FARNELL	OC_MOUSER
100nF	Capacitor	C1, C4, C7, C11, C14	CAP0603	5				
10nF	Capacitor	C2, C3, C10	CAP0603	3				
1uF/25V	Capacitor	C5	CAP0603	1				
100nF/100V	Capacitor	C6	CAP0805	1				
1uF	Capacitor	C8, C12	CAP0603	2				
22uF	Capacitor	C9	CAP0603	1				
4.7uF/25V	Capacitor	C13	CAP0805	1				
22uF/25V	Capacitor	C15	CAP1206 - Unpol	1				
BYS11-90	Schottky BYS11-90 DO-214AC	D1, D2	DO-214AC	2	Vishay	BYS11-90-E3/TR3	2335191	625-BYS11-90-E3/TR3
BLM18KG601SN1D	Inductor	L1, L2, L3, L4	INDUCTOR0603	4	Murata	BLM18KG601SN1D	1781094	BLM18KG601SN1D
IPT010N08NM5	OptiMOSTM5Power-Transistor,80V	Q1	INF-PG-HSOF-8-1-1-V	1	Infinion	IPT010N08NM5ATM A1	3755144	726-IPT010N08NM5ATM1
BSS138	Single N-Channel Trench MOSFET, 60 V, 0.2 A, -55 to 150 degC, 3-Pin SOT23, Tape and Reel	Q2, Q3, Q4	SOT23-123	3	On semi	BSS138	9845330	
100K	Resistor	R1	RES0603	1				
CS5FR001E	Current Sense Resistor Through Hole 5W 0.001 Ohms 1%	R2	CS5 OHMITE	1	Ohmite	CS5FR001E	4046046	588-CS5FR001E
10R	Resistor	R3, R6, R13	RES0603	3				
10K	Resistor	R4, R5, R12	RES0603	3				
DNP	Resistor	R7	RES0603	1				
1R	Resistor	R8	RES0603	1				
1K	Resistor	R9	RES0603	1				
2K7	Resistor	R10	RES0603	1				
47K	Resistor	R11	RES0603	1				
100R/2W	Resistor	R14, R15	RES2512	2				
V23105A5503A201	Low Signal Relays - PCB Relay DPDT 3A 12VDC 280Ohm Through Hole	RL1	V23105	1	Axicom	V23105A5503A201	2748102	655-V23105A5503A201
LTC7001IMSE	Gate Drivers Fast 150V Hi Side NMOS Static Switch Drv	U1	MSOP 10 pin	1	Analog Devices	LTC7001IMSE	4018609	584-LTC7001IMSEPBF
LM393LVQDRQ1	Analog Comparators Dual Diff A Grade	U2	SOIC8	1	TI	LM393LVQDRQ1		595-LM393LVQDRQ1
INA281A2	Current Sense Amplifiers -4V to 110-V, 1.3-MHz, high-precision current sense amplifier 5-SOT-23 -40 to 125	U3	SOT23-5	1	TI	INA281A2IDBVT		595-INA281A2IDBVT
LP2981IM5-3.3	Micropower 100 mA Ultra Low-Dropout Regulator, 5-pin SOT-23	U4	MF05A_N	1	National Semiconductor	LP2981IM5-3.3/ NOPB	1469130	926-2981IM5-3.3/ NOPB
1K/25 Turn	Through Hole 1Kohms Standoffs Vertical Adjust 3/8	VR1	3299Y	1	BOURNS	3299Y-1-102LF	2787729	652-3299Y-1-102LF
4.7V	Zener Diodes 1.0W, VR=4.7V	Z1	DO-214AC	1	Comchip	CZRA4732-G		750-CZRA4732-G