

Designator	Quantity	Description	Manufacturer Part Number	Manufacturer
C1, C3, C5	3	Capacitor, Ceramic, 10000pF, 50VDC, 20-% Tol, 20+-% Tol, X7R-TC Code, -15, 15%-TC	C315C103M5R5TA	
C2	1	ee	EEU-FR1E101B	
D1, D2	2	Standard Recovery Rectifier, 2-Pin Axial_Lead, Pb-Free, Tape and Reel	1N4001RLG	
J1, J2	2	Conn PC Terminal Block 2 POS 5.08mm Solder ST Thru-Hole 13.5A	1985865	
Q2	1	MOSFET, Power; N-Ch; VDSS 55V; RDS(ON) 0.022Ohm; ID 47A; TO-220AB; PD 110W; VGS +	IRLZ44NPBF	
R1	1	Res Metal Film 10K Ohm 1% 3/5W ±50ppm/°C Conformal AXL Thru-Hole Ammo Pack	LR1F10K	
R3	1	Potentiometers 10K 20% 9mm Linear Snap In	PTV09A-2025F-B103	
R4	1	PR02 Series Axial Metal Film Resistor 1kOhms +/-5% 2W +/-250ppm/degC	PR02000201001JA100	
U1	1	Timer, Precision; PDIP; 8; 9 ma (typ.); 16 V (max.); 12.5 V (typ.)	NE555P	Texas Instruments