





Comment	Description	Designator	Footprint	LbrRef	Quantity
10uF	F5-A	C1	CAPPRD500W500500 H1100	Electrolytic capacitor	1
220uF	F5-A	C2	CAPPRD500W500500 H1100	Electrolytic capacitor	1
100nF	2200 pF \pm 10% 250V Ceramic Capacitor X7R Radial	C3	CAPRB500W50L450T3 00H550	Ceramic capacitor	1
220uF	Cap Aluminum 33uF 450V 20% (16 x 25mm) Radial Aluminum Cylindrical Can 7.5mm 275mA 2000 hr 85A°C Bulk	C4	CAPPRD750W800D160 0H2500	Capacitor (16 x 25mm)	1
22pF	2200 pF \pm 10% 250V Ceramic Capacitor X7R Radial	C5, C6	CAPRB500W50L450T3 00H550	Ceramic capacitor	2
1N4007	Diode Switching 1KV 1A 2-Pin DO-41	D1, D5	DIOAD1060W80L5200 270	1N4007	2
LD8F5000Q1	LED, Orange, Through Hole, 1-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D2	LEDRD254W570500H1 070	LED	1
1N5404	Diode Standard 400 V 3A Through Hole DO- 201AD	D3	DIOAD1990W125L900 D530	Schrottic diode	1
1N4745A	Zener Diode 16V 1W \pm 5% Through Hole DO-204AL (DO-41)	D4	DIOAD1060W70L435D 230	Zenner diode	1
TBlock 2	2 Position Wire to Board Terminal Block Horizontal with Board 0.197 _5.00mm_ Through Hole	J1	6911111710002	Terminal Block - 2Pins	1
TBlock 3	3 Position Wire to Board Terminal Block Horizontal with Board 0.138 (3.50mm) Through Hole	J2, J5	691214110003	Terminal blocks - 3Pins (Small)	2
Header 4	4 Position Header Connector Through Hole	J3, J4	SULLINS_PPTC041LFB N-RC	Female header - 4Pins	2
JQC-3F-1C-24VDC	Miniature PCB Relay 24VDC, 10A 250VAC, 15A 125VAC, 10A 250VAC	K1	RELAY_JQC-3F-1C- 24VDC	Relay (Standard)	1
Header 12	Header, 12-Pin	P1	HDR1X12	Header 12	1
Header 3	Header, 3-Pin	P2	HDR1X3	Header 3	1
BC547	Check availability Check availability	Q1	TO92250P510H770-3	BC547B	1
Z20	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrloechwidens tand Axial Metal Film	R1	RESAD1100W55L680D 260	Resistor (0.25W)	1
1K5	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrloechwidens tand Axial Metal Film	R2	RESAD1100W55L680D 260	Resistor (0.25W)	1
1k	(330kF-1-10k) 1 MOhms 0.2W, 1/5W PC Pins Through Hole Trimmer Potentiometer Cermet 1 Turn Top Adjustment	R3	TRIM_330kF-1-105	Potentiometer1	1
6M2	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrloechwidens tand Axial Metal Film	R4, R6	RESAD1100W55L680D 260	Resistor (0.25W)	2
120k	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrloechwidens tand Axial Metal Film	R5	RESAD1100W55L680D 260	Resistor (0.25W)	1
10k	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrloechwidens tand Axial Metal Film	R7, R8	RESAD1100W55L680D 260	Resistor (0.25W)	2
LM7805		U1	TO255P1020X450X196 8-3	LM78_...	1
ATMEGA328P-PU	ATmega Series 20 MHz 32 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP- 28	U2	DIP794W46P254L2967 H457Q288	ATMEGA328P-PU	1
16MHz	CRYSTAL 1/H	Y1	XTAL_ECS-160-20-4K	Crystal oscillator	1