

Item #	*Designator	*Qty	Manufacturer
1	1	1	Multicomp Pro
2	2	1	Multicomp Pro
3	3	1	Multicomp Pro
4	4	1	Multicomp Pro
5	5	1	Multicomp Pro
6	6	1	Multicomp Pro
7	7	1	Multicomp Pro
8	8	1	Multicomp Pro
9	BR1	1	Multicomp Pro
10	BR2	1	Multicomp Pro
11	C1	1	Kyocera Avx
12	C2	1	Multicomp Pro
13	C3	1	Kyocera Avx
14	C4	1	Multicomp Pro
15	C5	1	Rubycon
16	D1	1	Multicomp Pro
17	D2	1	Multicomp Pro
18	IC2	1	Vishay
19	J18	1	Multicomp Pro
20	J21	1	Multicomp Pro
21	J26	1	Harwin
22	Learn	1	Harwin
23	Led1	1	Broadcom
24	Nano	2	Harwin
25	Q1	1	STMicroelectronics
26	R1	1	Multicomp Pro
27	R2	1	Multicomp Pro
28	R3	1	Multicomp Pro
29	R8	1	Multicomp Pro
30	R9	1	Multicomp Pro
31	R10	1	Multicomp Pro
32	R11	1	Multicomp Pro
33	R12	1	Multicomp Pro
34	U1	1	STMicroelectronics
35	ULN1	1	STMicroelectronics
36	ULN2	1	STMicroelectronics
37	ZD1	1	Onsemi

xxxx xxxx xxxxx xxPCS BOM (Sample Bill of Materials)

*Mfg Part #	Description / Value
MP008514	Screw terminal 3pole 2.54mm
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2W10MG	Bridge rectifier 2A
2W10MG	Bridge rectifier 2A
TAP105M035CCS	Tantalum capacitor 1μF 20V
MCRH63V226M6.3X11	Electrolytic capacitor 22μF 63V
TAP105M035CCS	Tantalum capacitor 1μF 20V
MCBU5102K5	Ceramic capacitor 1000pF 50V
25PX10000MEFC18X35.5	Electrolytic capacitor 10000μF 25V
1N4001	Rectifier diode
1N4001	Rectifier diode
6N137	Opto isolator
MC24366	Screw terminal 2pole 5.08mm
MC24366	Screw terminal 2pole 5.08mm
M20-9990246	Male header 2pin 2.54mm
M20-9990246	Male header 2pin 2.54mm
HLMP-KA45-E0000	Blue (505nm) LED
M20-7821546	Female header 15pin 2.54mm
TIP41C	NPN Power transistor
MCCFR0W4J0102A50	Resistor 1kΩ 1/4W
MCCFR0W4J0103A50	Resistor 10kΩ 1/4W
MCCFR0W4J0103A50	Resistor 10kΩ 1/4W
MCF 0.25W 1K5	Resistor 1.5kΩ 1/4W
MCF 0.25W 1K5	Resistor 1.5kΩ 1/4W
MCF 0.25W 1K5	Resistor 1.5kΩ 1/4W
MP006912	Resistor 2.2kΩ 1/4W
MCCFR0W4J0103A50	Resistor 10kΩ 1/4W
L7805CV	Voltage regulator 5V
ULN2803A	Darlington driver array
ULN2803A	Darlington driver array
1N4749A	Zener diode 24V 1W

*Package/Footprint	Type	Your Instructions / Notes
THT		
THT		
THT		
THT		
THT		
THT		
THT		
THT		
WOB		
WOB		
100mil THT		
100mil THT		
100mil THT		
100mil THT		
300mil THT		
300mil THT		
300mil THT		
Dil6		
5.08mm THT		
5.08mm THT		
2.54mm THT		
2.54mm THT		
3mm THT		
2.54mm THT		
TO220 THT		
400mil THT		
400mil THT		
400mil THT		
400mil THT		
400mil THT		
400mil THT		
400mil THT		
400mil THT		
400mil THT		
TO220 THT		
DIL18		
DIL18		
300mil THT		