

## MC-1000BOM\_Mirror\_Cooling.xls

Find #	Quantity	Part Number	Description	Designator	Manufacturer	Value
1	4	C1206C104K5RACTU	Ceramic Chip Capacitor, 0.1uF, 50V, 10%, X7R	C1, C2, C5, C6	Kemet	0.1uF
2	7	C1206F105K5RACTU	Ceramic Chip Capacitor, 1uF, 50V, 10%, X7R	C3, C4, C7, C8, C9, C11, C12	Kemet	1uF
3	1	T491A106K010AT	CAP TANTALUM, 10UF, 10V, 10%	C10	Kemet	10uF
4	1	T491X476K035AT	CAP TANTALUM, 47UF, 35V, 10%	C13	Kemet	47uF
5	4	1SMA10CAT3G	TVS 400W 10V BIDIRECT SMA	D1, D2, D3, D4	ON Semiconductor	10V
6	1	LM431ACM3X/NOPB	Adjustable Shunt Voltage Reference, 2%	D5	National Semiconductor	Adjustable
7	3	BG1101F-TR	LED, Green, Rt Angle, 1208 SMD	DS1, DS5, DS6	Stanley Electric Co.	Green
8	3	BR1101F-TR	LED, Red, Rt Angle, 1208 SMD	DS2, DS3, DS4	Stanley Electric Co.	Red
9	2	1804810	CONN TERM BLK HDR 7.62MM 4POS	J1, J2	Phoenix Contact	
10	1	5499922-3	Header, 16-Pin, Dual row, Straight, Latch, Shroud	J3	Tyco	
11	1	5499922-2	Header, 14-Pin, Dual row, Straight, Latch, Shroud	J4	Tyco	
12	4	OSSRD0004A	Relay SSR 250VAC 40A LED-TRIAC	K1, K2, K5, K6	TT Electronics/Optek Technology	
13	1	KMS15-24	Power Supply, 24V, 0.625A	PS1	TDK-Lambda	
14	3	ZXMN10A07FTA	MOSFET N-CHANNEL 100V	Q1, Q2, Q5	Diodes/Zetex	
15	1	ZXMP10A13FTA	MOSFET P-CHANNEL 100V	Q3	Diodes/Zetex	
16	1	MMBT3904	NPN Switching Transistor	Q4	Fairchild Semiconductor	
17	7	ERJ-8ENF3652V	Thick Film Chip Resistor, 36.5k Ohm, 1% Tolerance, 1206 Size, 0.25 W	R1, R7, R8, R14, R15, R19, R24	Panasonic	36.5k
18	4	ERJ-8ENF2002V	Thick Film Chip Resistor, 20k Ohm, 1% Tolerance, 1206 Size, 0.25 W	R2, R10, R29, R41	Panasonic	20k
19	14	ERJ-8ENF1002V	Thick Film Chip Resistor, 10k Ohm, 1% Tolerance, 1206 Size, 0.25 W	R3, R12, R20, R23, R26, R27, R28, R31, R35, R39, R40, R45, R46, R47	Panasonic	10k
20	8	ERJ-8ENF2001V	Thick Film Chip Resistor, 2k Ohm, 1% Tolerance, 1206 Size, 0.25 W	R4, R5, R13, R21, R22, R25, R33, R44	Panasonic	2k
21	3	ERJ-8GEY0R00V	Thick Film Chip Resistor, 0 Ohm, 1206 Size, 0.25 W	R6, R36, R43	Panasonic	0
22	3	ERJ-8ENF1003V	Thick Film Chip Resistor, 100k Ohm, 1% Tolerance, 1206 Size, 0.25 W	R11, R16, R17	Panasonic	100k
23	5	ERJ-8ENF7681V	Thick Film Chip Resistor, 7.68k Ohm, 1% Tolerance, 1206 Size, 0.25 W	R18, R30, R32, R34, R38	Panasonic	7.68k
24	1	5007	White, Compact Test Point, Thru Hole, Loop	TP1	Keystone	White
25	1	5008	Orange, Compact Test Point, Thru Hole, Loop	TP2	Keystone	Orange
26	1	5005	Red, Compact Test Point, Thru Hole, Loop	TP3	Keystone	Red
27	1	5006	Black, Compact Test Point, Thru Hole, Loop	TP4	Keystone	Black
28	1	CD4541BM96	Programmable Timer	U1	STMicroelectronics	
29	1	OPA4277UA	QUAD PRECISION OPAMP 14-SOIC	U2	Texas Instruments	
30	1	LD1086D2T50TR	5V, 1.5 A Linear Regulator	U3	STMicroelectronics	