



No	Change Describe	Designer/Date	Reviewer/Date	Approved/Date
A1	增加 L2			
A2	增加 Q2 R13 R32			

Designer:	Date:		
Reviewer:	Date:	Model: MC031V	Version: A2
Approved:	Date:	Units:	Title:
Material:	Thickness:	Page:	Color:
Dimension:		Stock Number	



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Model:MC031V A (BOM)

NO.	Name	Description	Paty NO.	Quan	Remark
1	Plastic upper shell	PC		1	
2	Plastic lower shell	PC		1	
3	5 core line	H05RN-F 300-500V		1	
4	Transformer	EF12.6	T1	1	
5	inductor	DR2W6*8	L1	1	
6	common mode choke	EE8.3	L2	1	
7	Pin	7P		1	
8	resistance	100R 2W	R1	1	
9	Aluminum electrolytic capacitor	2.2UF 450V	C2 C3	2	
10	Aluminum electrolytic capacitor	100UF 25V	C9 C38	2	
11	Aluminum electrolytic capacitor	220UF 35V	C7	1	
12	X2 capacitor	104K 275V	C1	1	
13	Y1 capacitor	332M 400V	C6	1	
14	Ceramic capacitors	Y5P 102M 2KV	C4	1	
15	Optocoupler	PC817	U2 U4	2	
16	Photo sensitive diode	Φ3mm	D5	1	
17	Voltage regulator tube	78L05	U3	1	
18	Fuse	15A250V	F1	1	
19	Dial switch	12P	SW1	1	
20	Relay	888H-1AH-F-C 17A277Vac	K1	1	
21	bushing	Φ5	F1	0.013	
22	chip resistor	100R	R14 R30	2	
23	chip resistor	10K	R8 R37 R26 R59 R47	5	
24	chip resistor	7.5K	R39	1	
25	chip resistor	560K	R17 R18 R23 R24	4	
26	chip resistor	4.7K	R46 R58 R12 R60	4	
27	chip resistor	2.2K	R19 R36	2	
28	chip resistor	51K	R54 R55	2	
29	chip resistor	18K	R40 R53	2	
30	chip resistor	82K	R16	1	
31	chip resistor	100K	R15 R10 R9 R31	4	
32	chip resistor	33K	R22 R33 R48	3	
33	chip resistor	24K	R49	1	
34	chip resistor	47K	R34	1	
35	chip resistor	6.8K	R5	1	
36	chip resistor	24.9K	R41 R44	2	



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NO.	Name	Description	Paty NO.	Quan	Remark
37	chip resistor	62K	R51	1	
38	chip resistor	12K	R6 R25	2	
39	chip resistor	3K	R38	1	
40	chip resistor	330R	R4	1	
41	chip resistor	30K	R7 R50	2	
42	chip resistor	10R	R57 R63	2	
43	chip resistor	15K	R35	1	
44	chip resistor	10R	R3	1	
45	chip resistor	100K	R61 R62	2	
46	chip resistor	39K	R27	1	
47	chip resistor	75K	R28 R56	2	
48	chip resistor	120K	R2 R11	2	
49	chip resistor	68K	R20 R21 R29	3	
50	Chip capacitor	103K 50V	C23 C41	2	
51	Chip capacitor	104K 50V	C8 C10 C11 C45 C46 C47 C15 C17 C16 C32 C34 C36 C40	13	
52	Chip capacitor	104K 100V	C5	1	
53	Chip capacitor	272J 50V	C21	1	
54	Chip capacitor	333K 50V	C31	1	
55	Chip capacitor	472J 50V	C20 C28	2	
56	Chip capacitor	473K 50V	C24 C25 C26 C27	4	
57	Chip capacitor	822J 50V	C29	1	
58	Chip capacitor	474K 50V	C18	1	
59	Chip capacitor	102J 50V	C35	1	
60	Chip capacitor	105K 50V	C39 C42 C43	3	
61	Chip capacitor	106K 16V	C19 C22 C30 C33	4	
62	SMD diode	0.15A75V	D6	1	
63	SMD diode	1A600V	D1 D2	2	
64	SMD diode	1A1000V	D4	1	
65	SMD diode	40V800mA	Q7	1	
66	SMD diode	2N5401	Q5	1	
67	SMD diode	2N5551	Q1 Q6	2	
68	SMD tube	11V0.5W	Z1	1	
69	SMD tube	13V0.5W	Z2	1	
70	IC	SOP-14	U6	1	



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NO.	Name	Description	Paty NO.	Quan	Remark
71	IC	SOP-7	U1	1	
72	IC	SOP-8	U5 U7	2	
73	Bridge rectifier	MB6S 0.8A600V	BR1	1	
74	SMD MOS	NL6327	Q8	1	
75	PCB	FR4		1	