

Marantz CD67mkII-OSE modifications

Power supply

Part:	Org. value:	Replace by:	Brand:	Mouser	Remark:
C803/804	470u/35V	10000u/50V	Nichicon KW	647-UKW1H103MRD	+100n PPS
C805/806	470u/16V	2200u/25V	Nichicon KA	647-UKA1H222MHD	+100n X7R
C813	4700u/16V	6800u/25V	Nichicon KA	647-UKA1E682MHD	+100n PPS
C815	3300u/6,3V	8200u/16V	Panasonic	667-EEU-HD1C822B	+100n X7R
C871	47u/16V	470u/16V	Nichicon KA	647-UKA1C471MPD1TD	+100n X7R
D801...804	S5688G	11DQ10	IR schottky	844-11DQ10	
D811/812	S5688G	11DQ10	IR schottky	844-11DQ10	
DN01/02	S5688G	11DQ10	IR schottky	844-11DQ10	
Q801/802	78M12/79M12	LM317	STM	511-LM317P	* see below
		LM337	STM	511-LM337SP	* see below
Q811	7805	LM340AT-5,0	TI	926-LM340AT-50	
Q871	7805	LM340AT-5,0	TI	926-LM340AT-50	

DAC (QD01, SM5872BS)

Part:	Org. value:	Replace by:	Brand:	Mouser	Remark:
CD04	220u/10V	remove			
CD05	47n cer.	220u/35V	Nichicon FG	647-UFG1V221MPM	+100n PPS
CD06	47n cer.	220u/35V	Nichicon FG	647-UFG1V221MPM,	+100n PPS
CD07	220u/10V	remove			
CD12/13	47n cer.	100n PPS, 50V	Panasonic	667-ECH-U1H104JX9	SMD
CD15/16	470u/10V	470u/35V	Nichicon FG	647-UFG1V471MHM	+100n PPS
RD01/04	4,7R	470uH/2,5R	EPCOS	871-B82144A2474J	+2 ferrites

Decoder (Q102, SAA7372GP)

Part:	Org. value:	Replace by:	Brand:	Mouser	Remark:
C108	100n cer.	100n MKT	Panasonic	667-ECQ-V1H104JL	
C109	22n cer.	22n MKP,160V	Vishay	594-2222-380-31223	
C110	47p cer.	47p PS	LCR	Have	
C114/120	47u/16V	100u/16V	Nichicon FG	647-UFG1C101MPM	
C115...119	47n cer.	100n PPS, 50V	Panasonic	667-ECH-U1H104JX9	SMD
C125	1n cer.	1n MKP	Wima	505-FKP21000/100/5	5mm
R117/118	4,7R	470uH/2,5R	EPCOS	871-B82144A2474J	+2 ferrites

Drivers (Q106/107/108, TDA7073A)

Part:	Org. value:	Replace by:	Brand:	Mouser	Remark:
C156	47/16V	100u/16V	Nichicon	647-UFG1C101MPM	
C132/157/159	47n cer	100n, X7R	Kermet	80-C320C104K5R	

-on bottom-side, directly between pin 5 and ground.

µController (QF01, MN187164)

Part:	Org. value:	Replace by:	Brand:	Mouser	Remark:
CF02	47u/16V	remove			
CF01	47n cer.	100u/16V	Nichicon FG	647-UFG1C101MPM	+100n X7R
CY01	47n cer.	22u/16V TDK	Y5V	810-FK26Y5V1C226Z	in parallel
RF01	4,7R	470uH/2,5R	EPCOS	871-B82144A2474J	+2 ferrites
RY11	4,7R	470uH/2,5R.	EPCOS	871-B82144A2474J	+2 ferrites

-insert extra 100n X7R between pins 35 and 36 of JF01

Servo PCB

Part:	Org. value:	Replace by:	Brand:	Mouser	Remark:
C126	47u/16V	100u/16V	Nichicon FG	647-UFG1C101MPM	+100n X7R

REMARKS

-* replace Q801/802 with LM317/337 on small PCB's. Use expermentingboard or PCB's found at <http://eddie.dyec.com.tw/diy-products/vrm/vrm.htm> for example. Fit LM337's by carefully cross-bending the input and output pins and reversing the diodes and caps. Use tantalum decoupling caps.