

## MC-Pre-Pre Parts List

### Resistors

1% 50ppm/°C 0,6W Vishay Beyschlag thin film

R1	47K	R14, 15, 18	10K
R2, 3, 4, 5	22R	R16, 17	499
R6	1K	R19	1K5
R7	825R	R20	4K02
R8	475R	R21, 22	1K
R9	249R	R23	4K75
R10	100R	R24	3K3
R11	47R5	R25, 27	100K
R12	24R9	R26	56R
R13	10R	R28	5,1R 2W

### Capacitors

C1	100pF Panasonic P Polypropylene
C2, 4, 14	3300uF/35V NHG
C3, 5, 13	150nF Panasonic P Polypropylene
C6	330pF Panasonic P Polypropylene
C7, 9, 12	220uF/35V Panasonic FC
C8, 10, 11	47nF Panasonic P Polypropylene

### Transistors

Q1, 2, 3, 4	2SK170BL Toshiba Quad matched
Q5	2SC1844 NEC channels are matched, also BC550 can be used. These 2 are not pin compatible so please solder in the correct position. See pictures for more details.
Q6	ZTX450 Zetex
Q7	2SK170BL Toshiba channels are matched

### Hardware

SW1	8-pole DIP Switch gold plated to adjust input Load
SW2	4-pole DIP Switch gold plated to switch between MM and MC Input
JP1	Jumper to set -4dB gain
JP2	Jumper to set -10dB gain
6 stand offs	to position the MC Pre Pre on the Pearl on the lower left corner. You have to trim the square bases so the fit. The one corner can be
wire	connect points "Star" with "Star1" on the PCB to connect signal ground to power ground