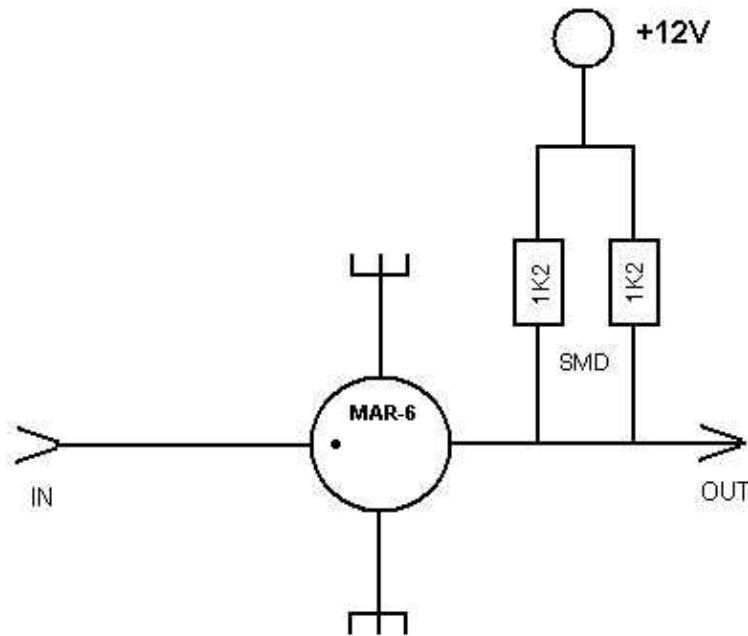
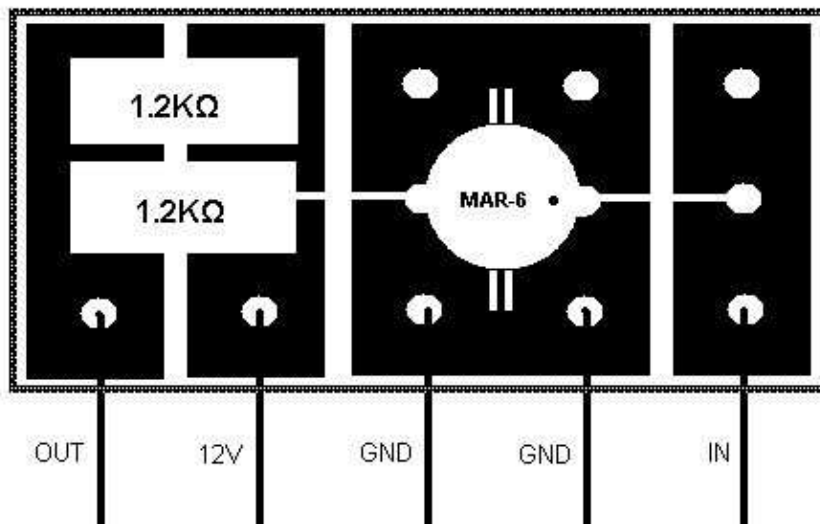


MARCONI 2022
OM345 REPLACEMENT FOR IC9_IC10_IC14
RF PROCESSING AB1/2 PCB



GENERAL PURPOSE PCB 3 ROWS 5 COLOMS



I had replaced three obsolete OM345 (IC9,10,14) on AB1/2 pcb with MAR-6 as seen in the previous page **but this is not a direct replacement you need circuit modifications!!!**

- For IC9 change R47 from 100Ω to 180Ω and R48 from 100Ω to 68Ω
- For IC10 place a 10Ω resistor in shunt with R50
- For IC14 place two 47Ω resistors in parallel (23,5Ω) in series with C108 and C167, and also at the output (Pin 5 of IC14) a combination of a 150Ω resistor in series with 1nF capacitor to the ground .I have used SMD 805 size resistors for the 47Ω ,cut the one pin of the capacitor and solder them one end to the PCB and the other to the capacitor (fig.1).The 150Ω +1nF network (SMD 1206) is soldered on the bottom side of the PCB, the resistor end at Pin 5 of IC14 and the capacitor at shielding Pin near C167 (fig.2).

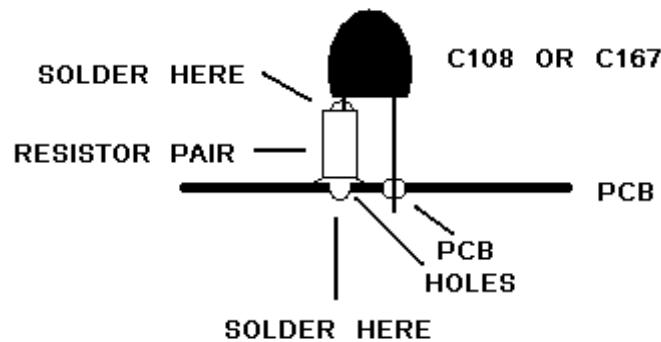


Fig. 1

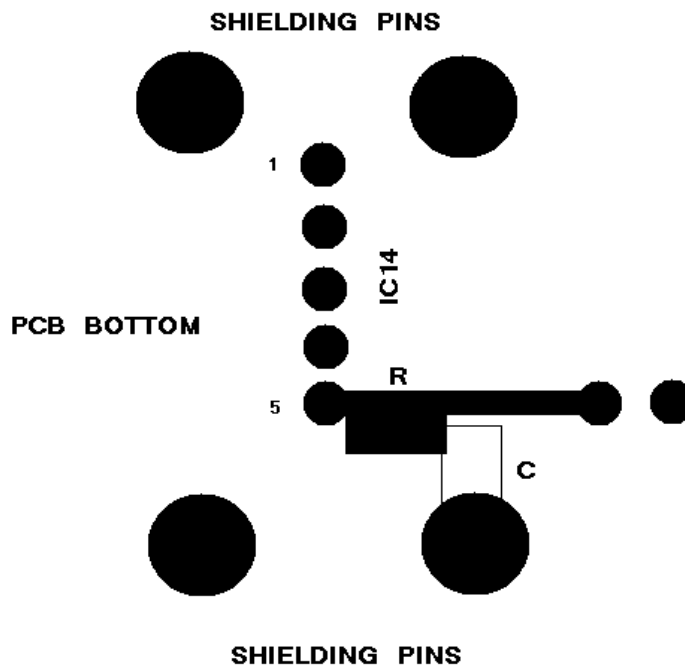


Fig. 2