

Memory expansion of the Philips Music Module

Needed:

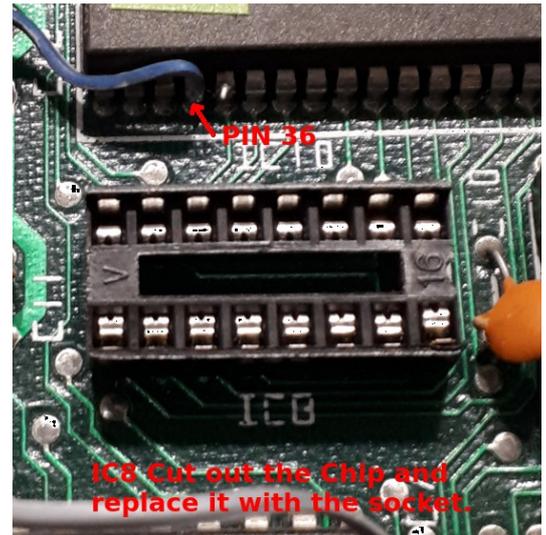
- *Some Soldering skills.
- *1 PCB for the expansion
- *1 chip socket DIL 16 pins.
- * some wire
- * And of course: soldering iron, tin, tools, patience, ...

Step 1:

Open your MSX Audio module. (4 screws).

And remove the PCB from the housing(2 screws), De-solder the microphone wires.

Mind the polarity! You have to replace it when re- assembling the cartridge.



Step 2:

De-solder the IC8 (4256).

Cut out the IC and then remove the remaining pins with pliers and open up the holes with a Tin suction pump or Litze.

Then put the IC socket 16 pin in place.

Mind the pin 1 of the chip. (facing the Eprom Socket).

Step 3:

Make the following connections with wire:

*pin 36 of the main chip (Y8950, IC 10) to pin 9 of IC2 (74LS04).

*pin 8 of IC2 (74LS04) to OE pin on the memory expansion PCB.

Step 4:

Replace the PCB in the housing and put in the 2 screws, reconnect the microphone wires.

Take the PCB and place it in the IC socket you just put in place of IC8.

Text on the Memory IC's is upside down .

Step 5:

Close the housing and test your update with a Demo like Unknown Reality.

Have fun and keep on MSXing.

Also don't forget to check out the other items on the ReproFactory MSX shop.



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