

**RTTY/CW TX TERMINAL for :
IC756 (all series), IC7400, IC746, IC7000**

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IC-756, IC-7400, IC746 and IC-7000 have a built in RTTY decoder but RTTY transmission is very hard because Keyboard isn't supplied.

This interface can be used to add a standard PC Keyboard to some ICOM TRX.

Also CW transmission can be performed using Keyboard .

F1-F12 can be user programmable Key with standardized message

Only one example:

F1 is memorized with : cq cq de i0cg, F2 with: pse K

Then, when I press: F1, F1, F1, F2 consecutively

The TRX transmit the following text:

cq cq cq de i0cg
cq cq cq de i0cg
cq cq cq de i0cg
pse k

The others functions key can be programmed as desiderata with Name QTH and so on.
Programming is very fast because it is necessary only press the ESC + function n Key to save any test (200 Chr. For any key).
Text is memorized on no volatile memory so isn't lost if keyboard is switched off.

What is available from me:

- 1) programmed PIC (PIC18F2620), is also possible to have code from me for free (ask to giulianori@virgilio.it)
- 2) PCB code : I0CG080108 (schematics is very simple so anyone can build interface yourself too)

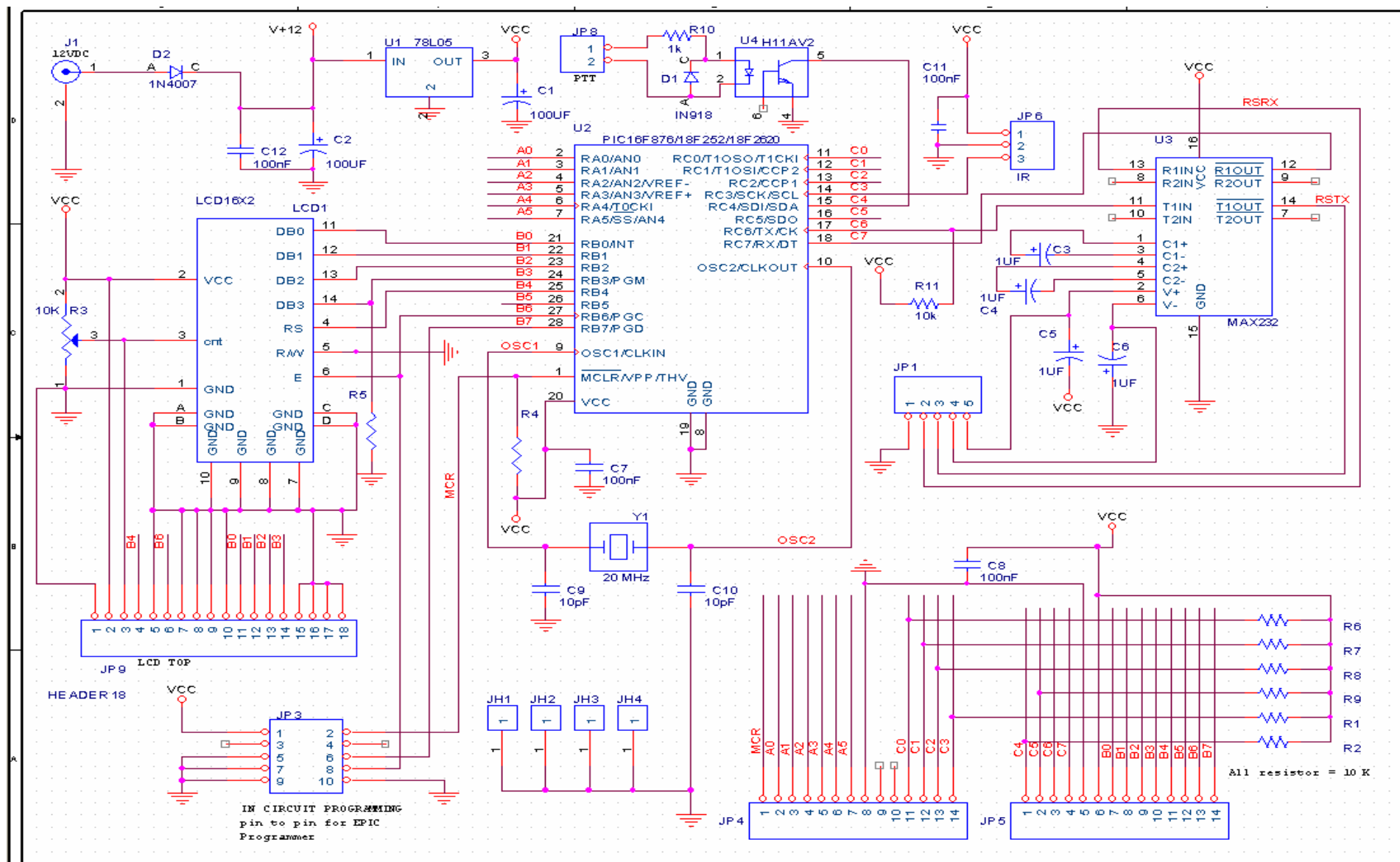
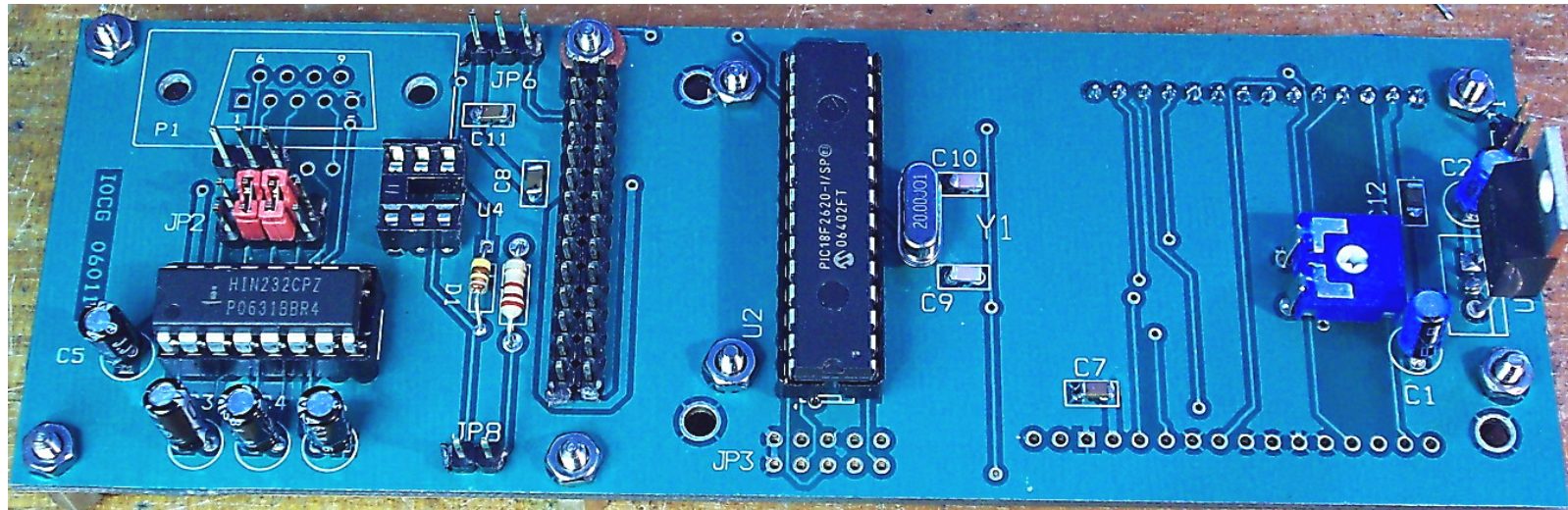
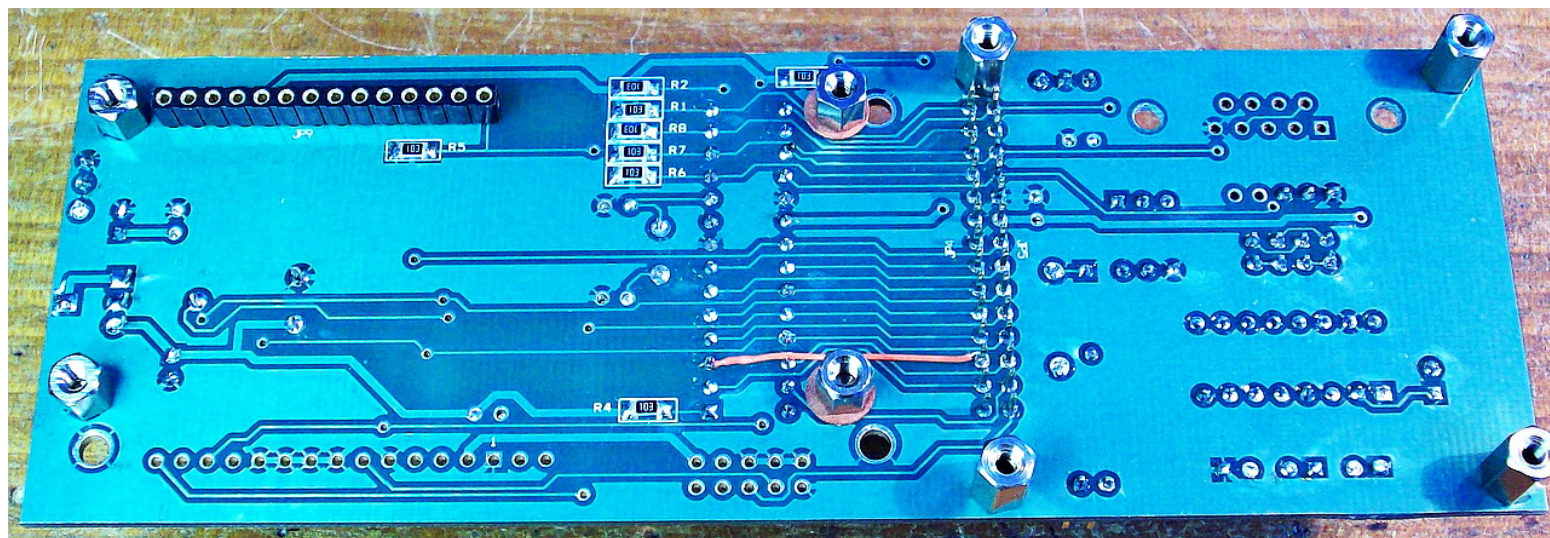


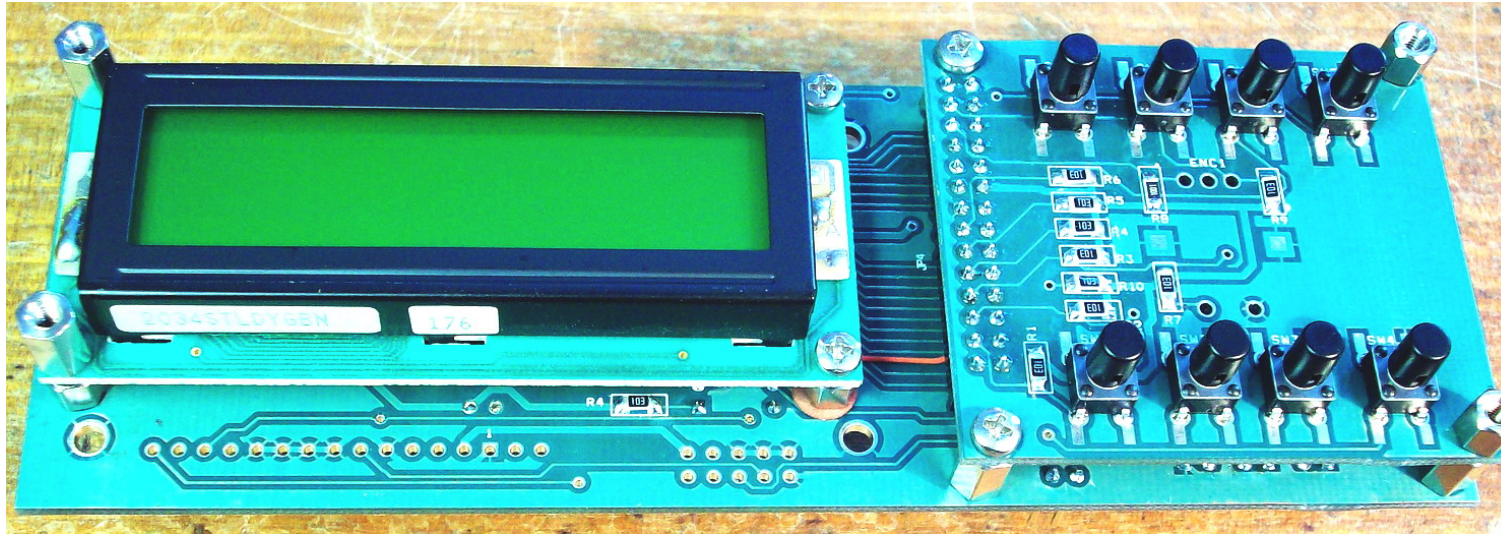
FIG1: PIC board schematics (some components on the PCB are not necessary for this application)



Components side of PIC control board (for RTTY application U3, U4, jp2, jp6, jp8, D1, R10, Y1 C9, C10 ISN'T NECESSARY)



Display side (the red wire is not necessary on ED3, also stand-off used for Keyboard is not used in this application)



display inserted on the PCB (keyboard is not necessary for this application)

RTTY/CW CABLING with PIC
controller PCB code :
IOCG080108

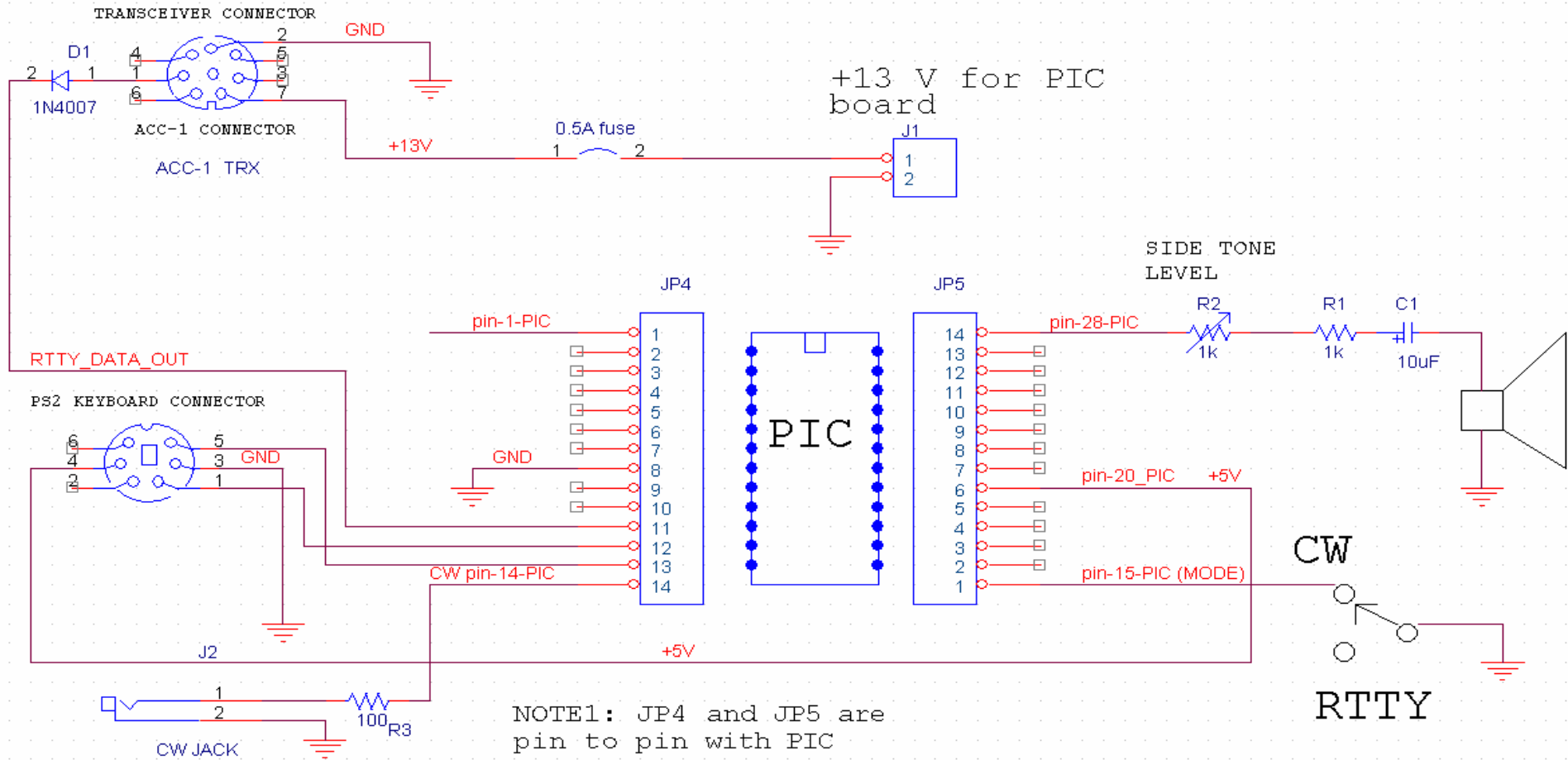


FIG2: connectors wiring

Fig4: ACC-1 connector (for IC-756, IC7400, IC-7000)

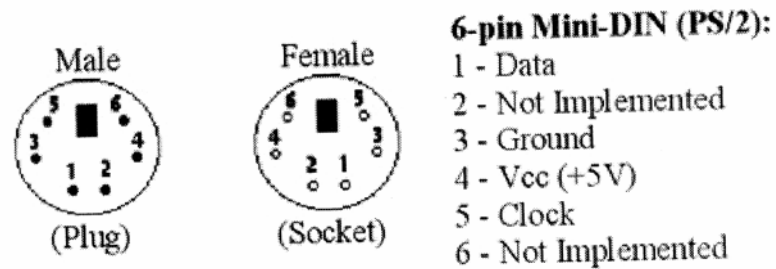


Fig3: PS2 keyboard connector

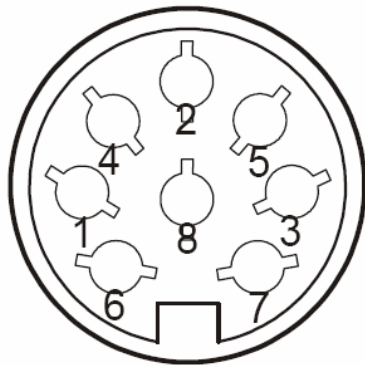


FIG3: ACC-1 CONNECTOR for ICOM transceiver

Revision 3/3/2008 : reversed Pin 5 and Pin 1 of Keyboard connector (now PIN 1 Keyboard connected to pin 12 PIC, PIN 5 Keyboard connected with pin 13 PIC)

Some photo of my prototype:

