

How to use the ETL MC68HC908AZ60 FLASH /EEPROM PROGRAMMER (Practice test)

Explore Jaeger cluster T1/21KE8-JA (see Figure 1) Magneti Marelli produced (p.n. 550411090006)
MCU MC68HC05H12(0H57A) inside

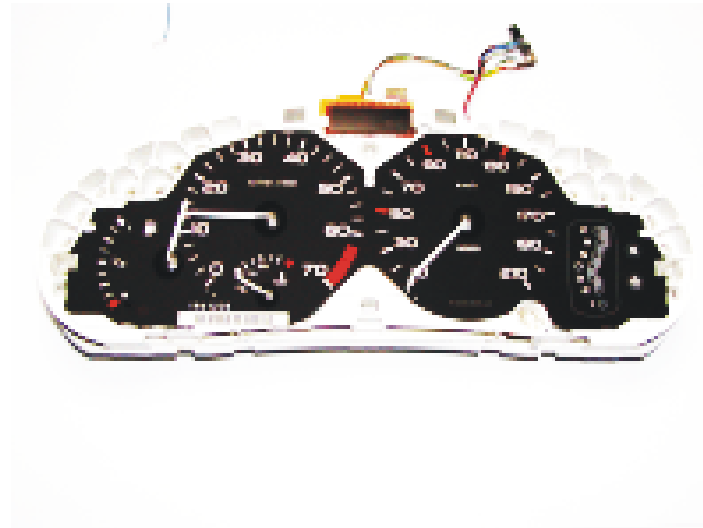


Figure 1

- **Connect the dashboard to MC68HC908AZ60 programmer. Check hardware connection before attach serial port cable and power connection wires (see Figures 7, 8, 9, 10) NOTE: Lift (cut) PTB3 (PIN № 46) from explorer board (see Figure 10)**
- **Attach LPT port cable and turn ON labor power supply source (see user manual e08prog.pdf components layout)***
- **Start HC08 programmer version 2.1**
- **Follow next steps (see Figures 2,3,4,5):**

- 1 > **Click “DEVICE” button**
- 2 > **Select MC68HC05H12(0H57A) device**
- 3 > **Select ICP programming interface**
- 4 > **Select MON08 pin configuration mode**
- 5 > **Click “READ” button**

- 6 > Click “START” button and waiting when operation complete
- 7 > Click “EDITOR” button to start dump editor

Now you can open editor result on dashboard display and see result (see Figure 6)

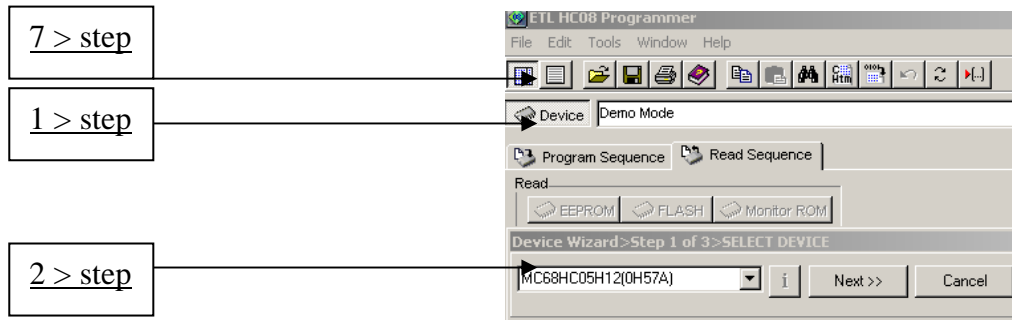


Figure 2

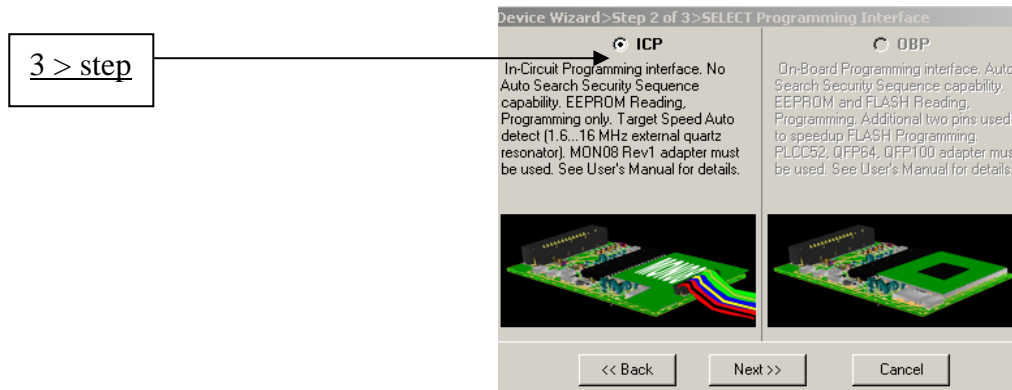


Figure 3

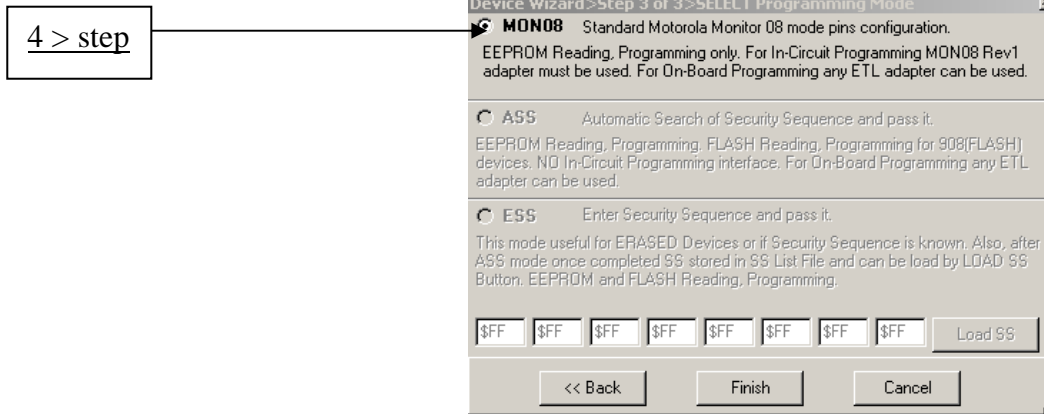


Figure 4

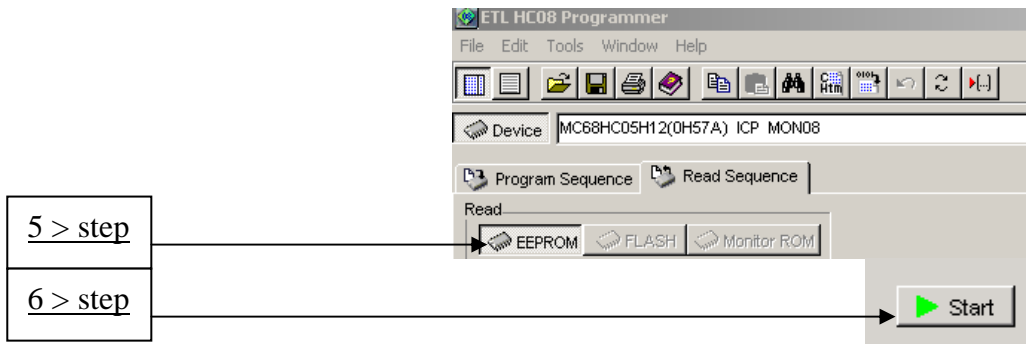


Figure 5

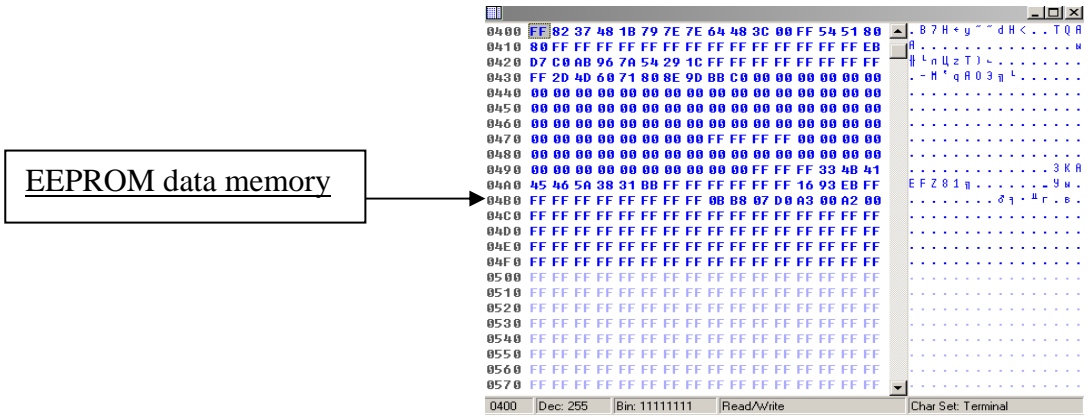


Figure 6

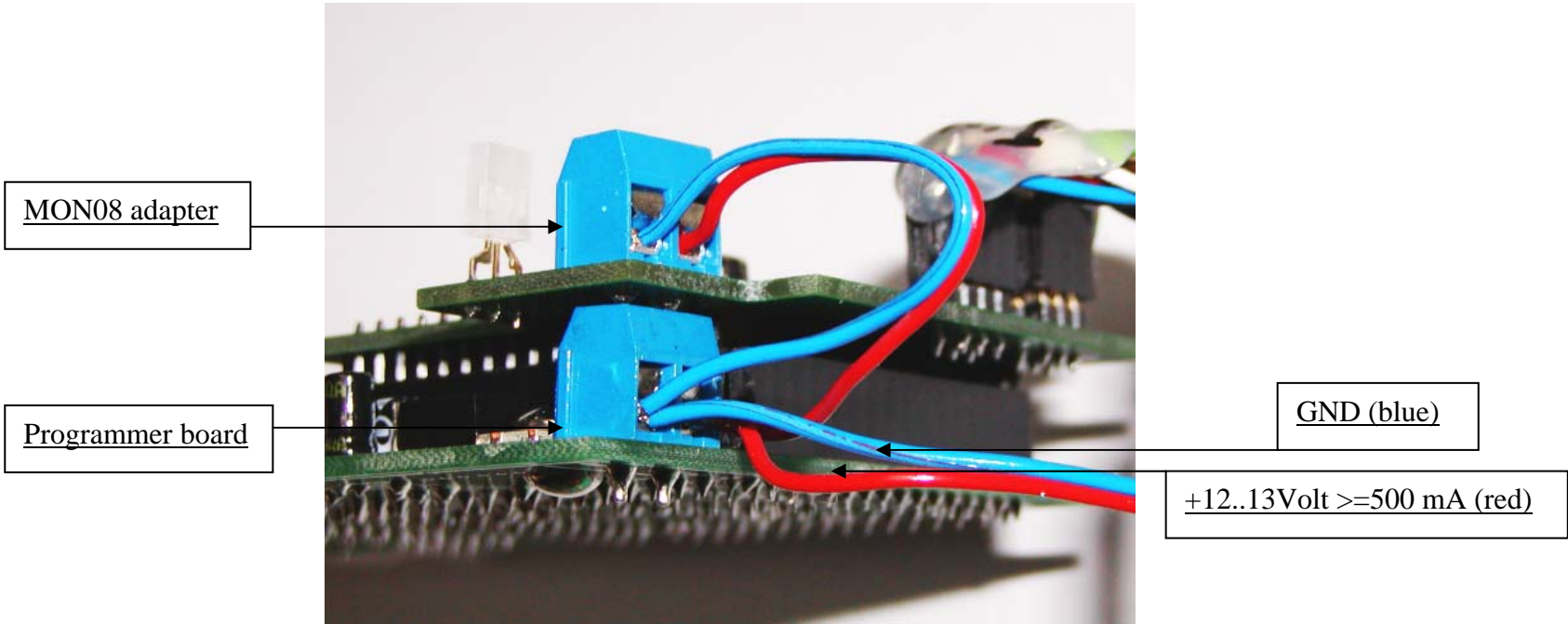


Figure 7

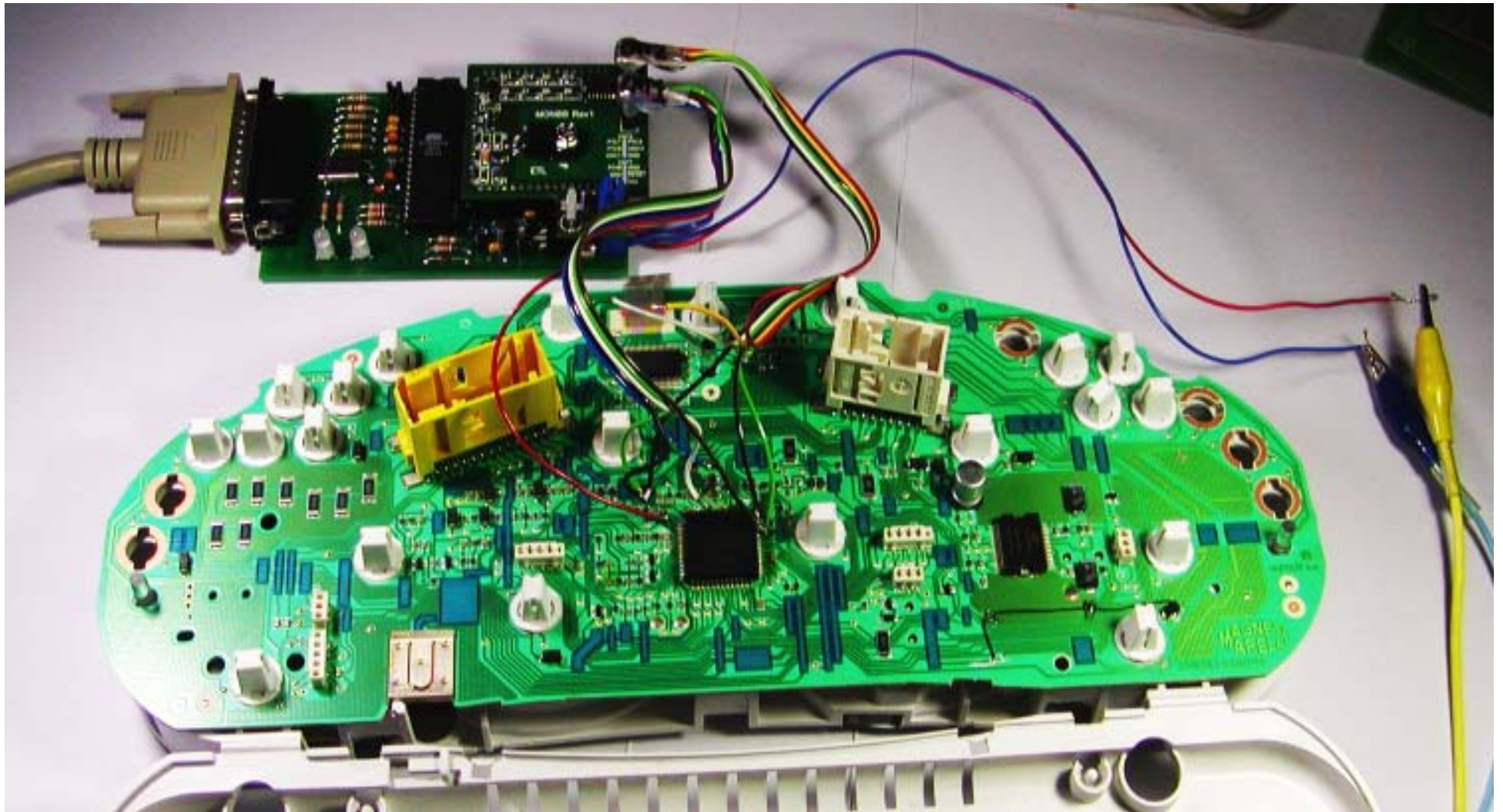


Figure 8

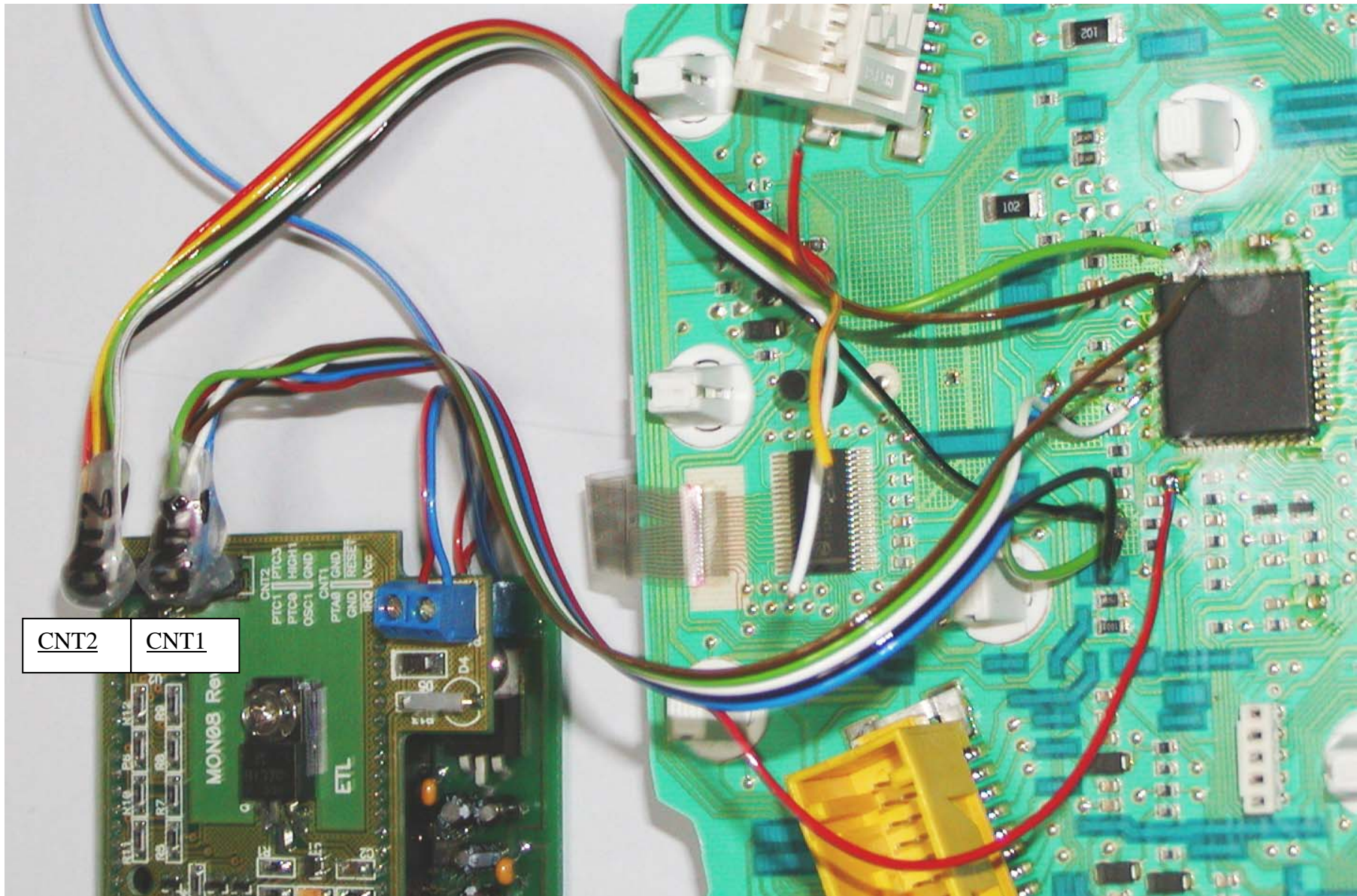


Figure 9

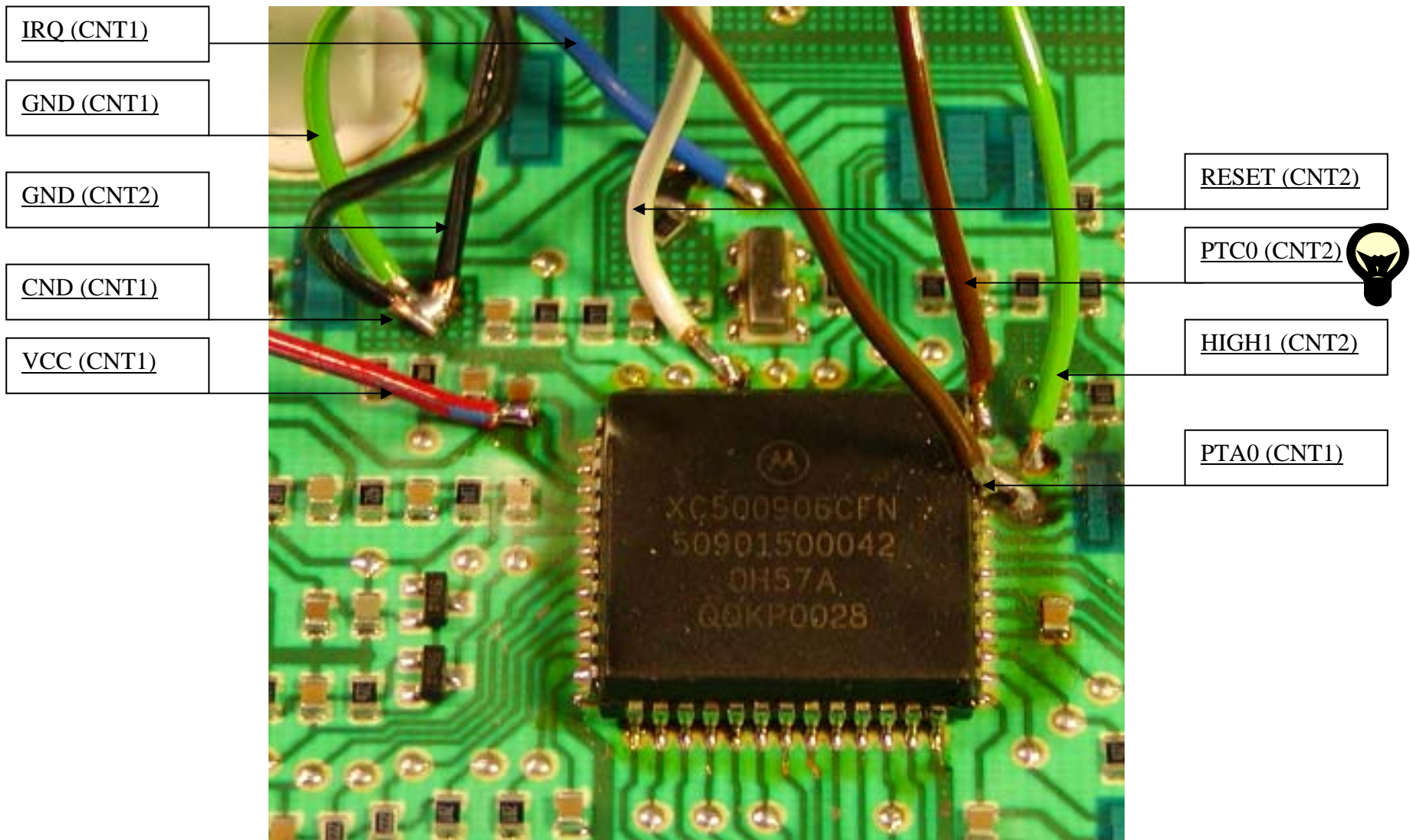


Figure 10



Pin № 46 PTB3 lift (cut) from explored board before start ICP procedure

**MON 08 Rev 1 programming
adapter connectors for in-circuit
programming applications**

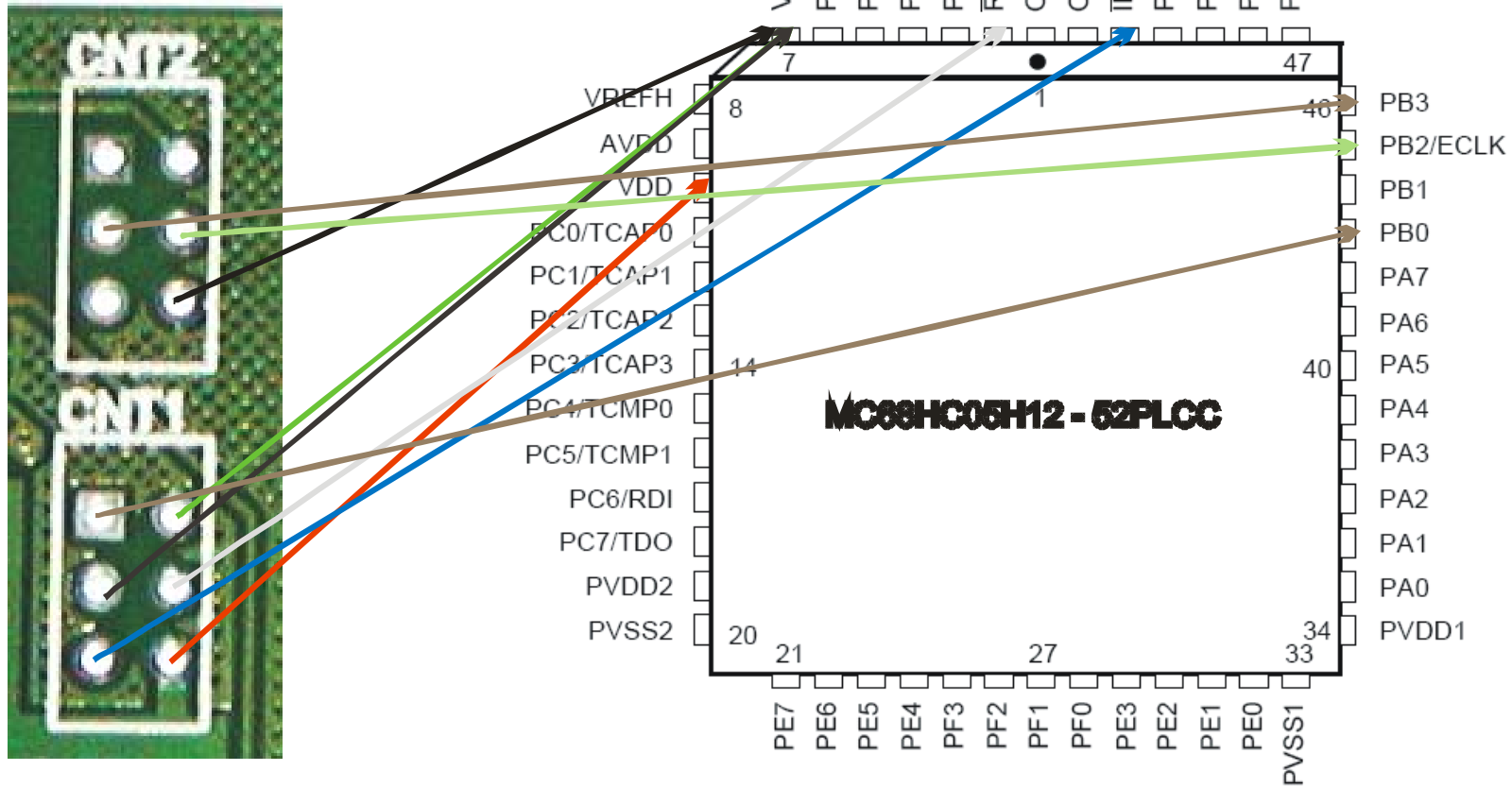


Figure 11

NOTE: MC68HC05HC12 device contains 256 bytes of EEPROM. Programming the EEPROM is performed by the user on a single-byte basis by manipulating the EEPROM control register, located at address \$001C

***Attention!** Read e08prog.pdf users manual before start this work

**WARNING: MOTOROLA firmware loaders may be difference for mask sets with the same names, according with customer requirement!!!
You can use MC68HC908AZ60 FLASH/EEPROM programmer for YOUR OWN RISK ONLY!**

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