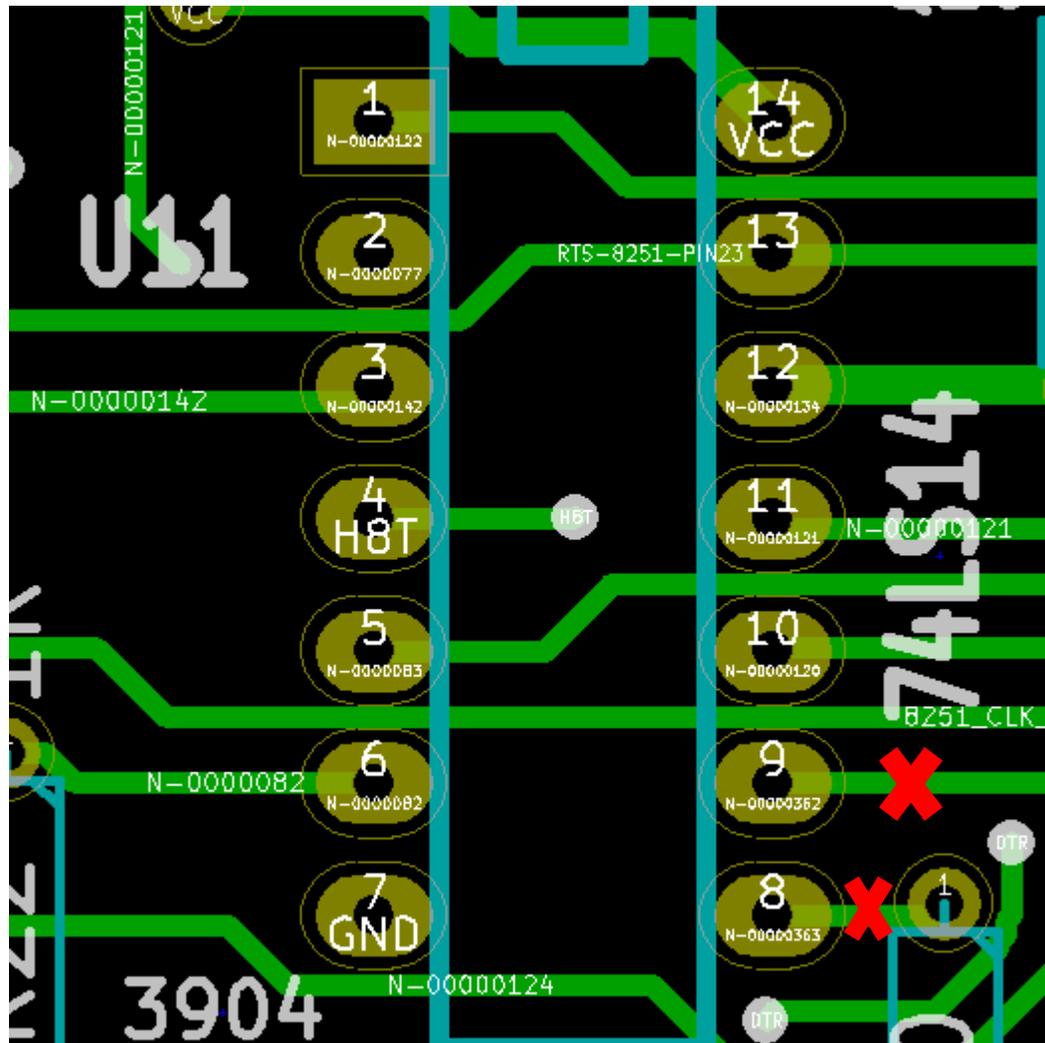# H8-Z5-5 Board Rework
Fix 16550 RS-232 Handshaking Polarity

Only for boards Rev 1.0, 1.1, 1.2. & 1.3.

Rework Instructions: (Only for Rev 1.0 and 1.1, 1.2, and 1.3)
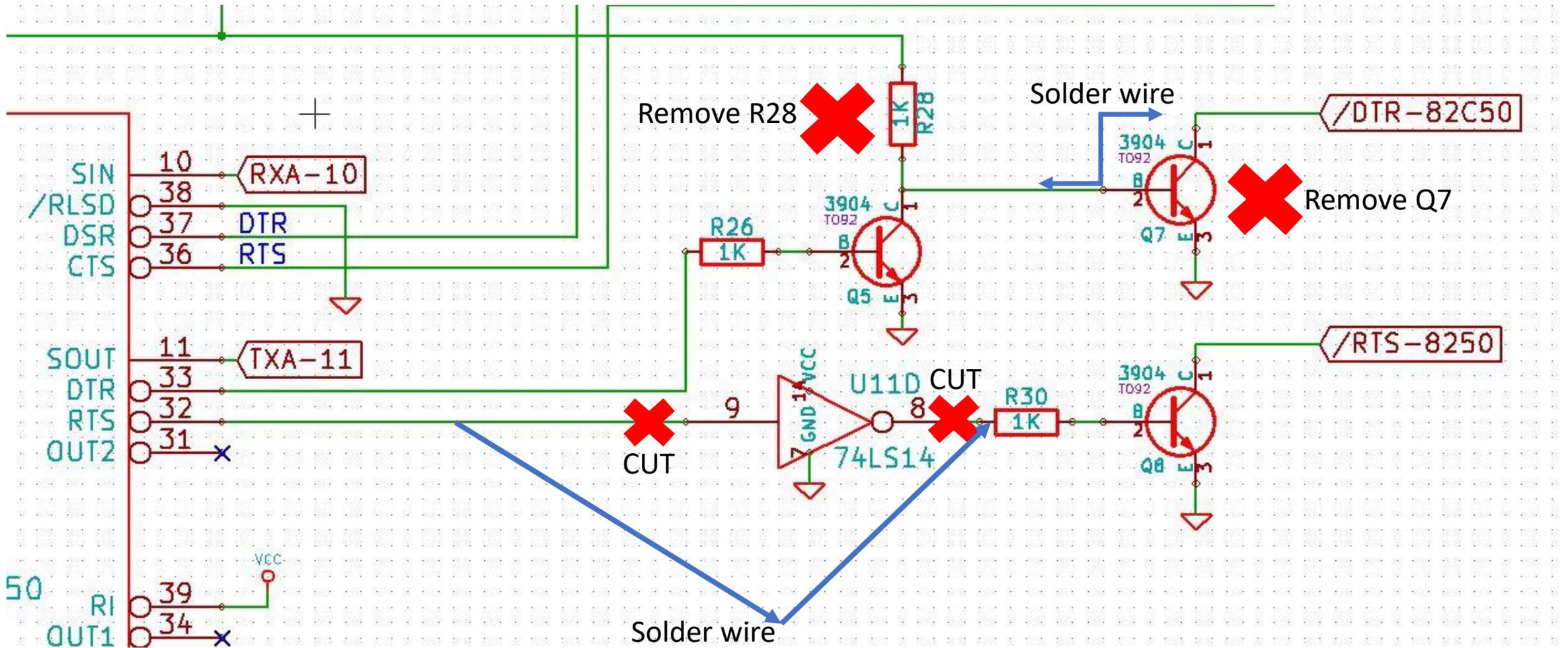
1.0 Cut traces on side 2 of U11 (74LS14) on pins 8 and 9 as shown.
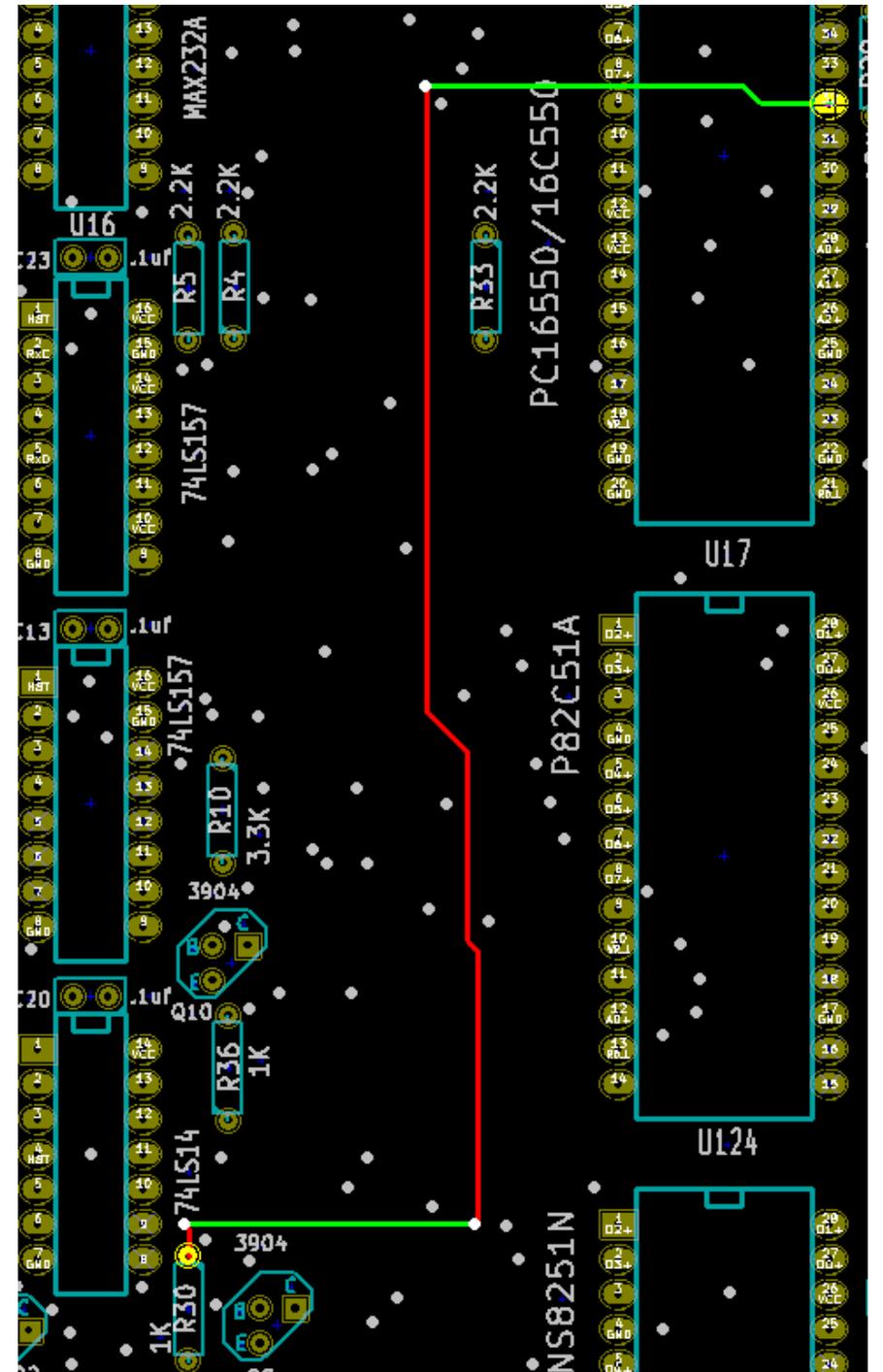
1.1 Remove the following Components:

- ☐ Q7 – 3904
- ☐ R28 – 1K

1.3 Solder wire between Q7 pin 1 (C) and pin 2 (B)
1.4 Solder wire between Pin 32 (U17) and resistor R30 pin 1.

Rework Instructions:

2.0 On side 2, solder a wire from U17 pin 32 to R30 (1K) pin 1 as shown.

Rework Instructions: Done!

3.0 Now the user should be able to run HDOS/CPM **"/DTR and /RTS"** handshaking without any issues.