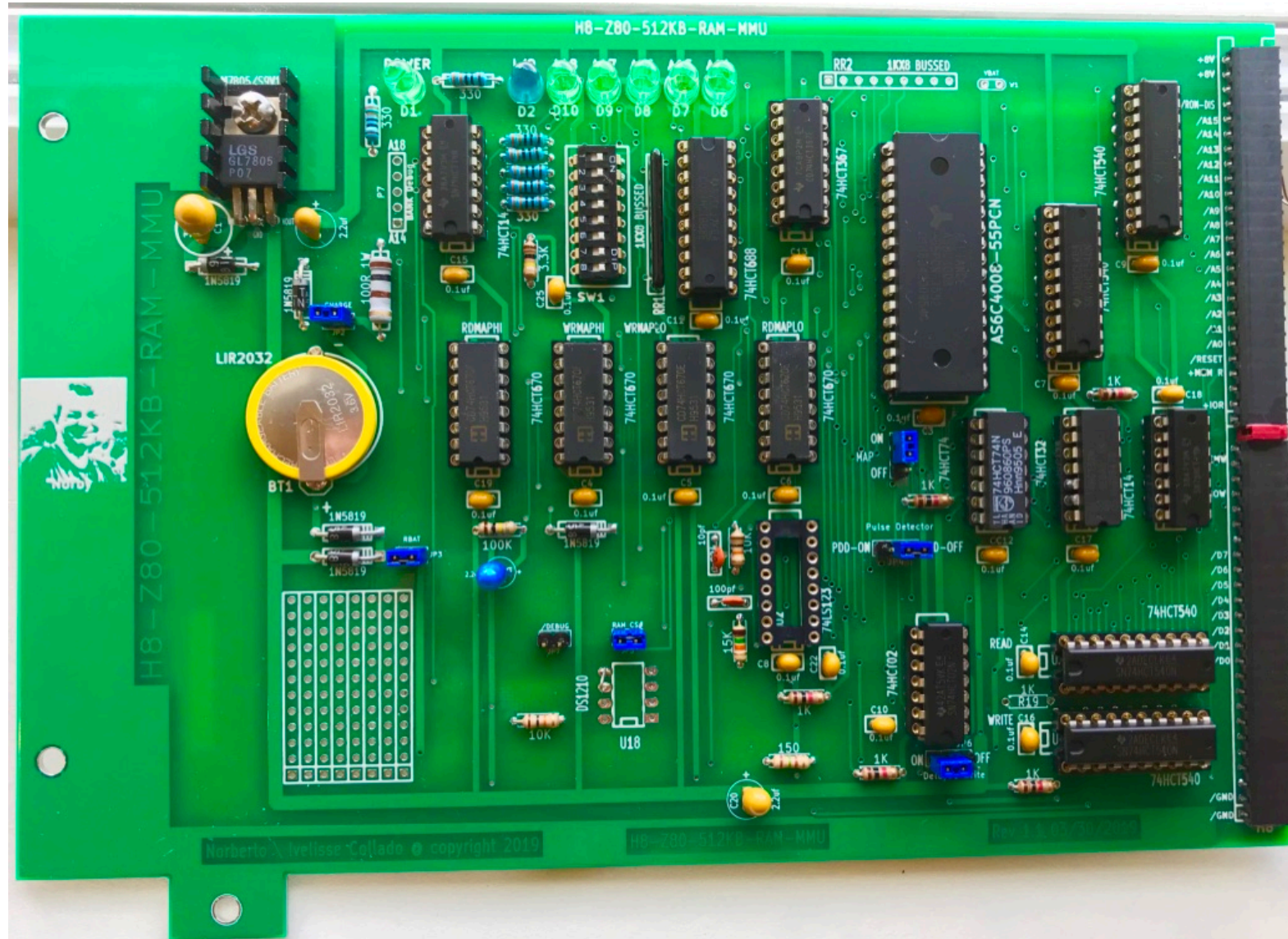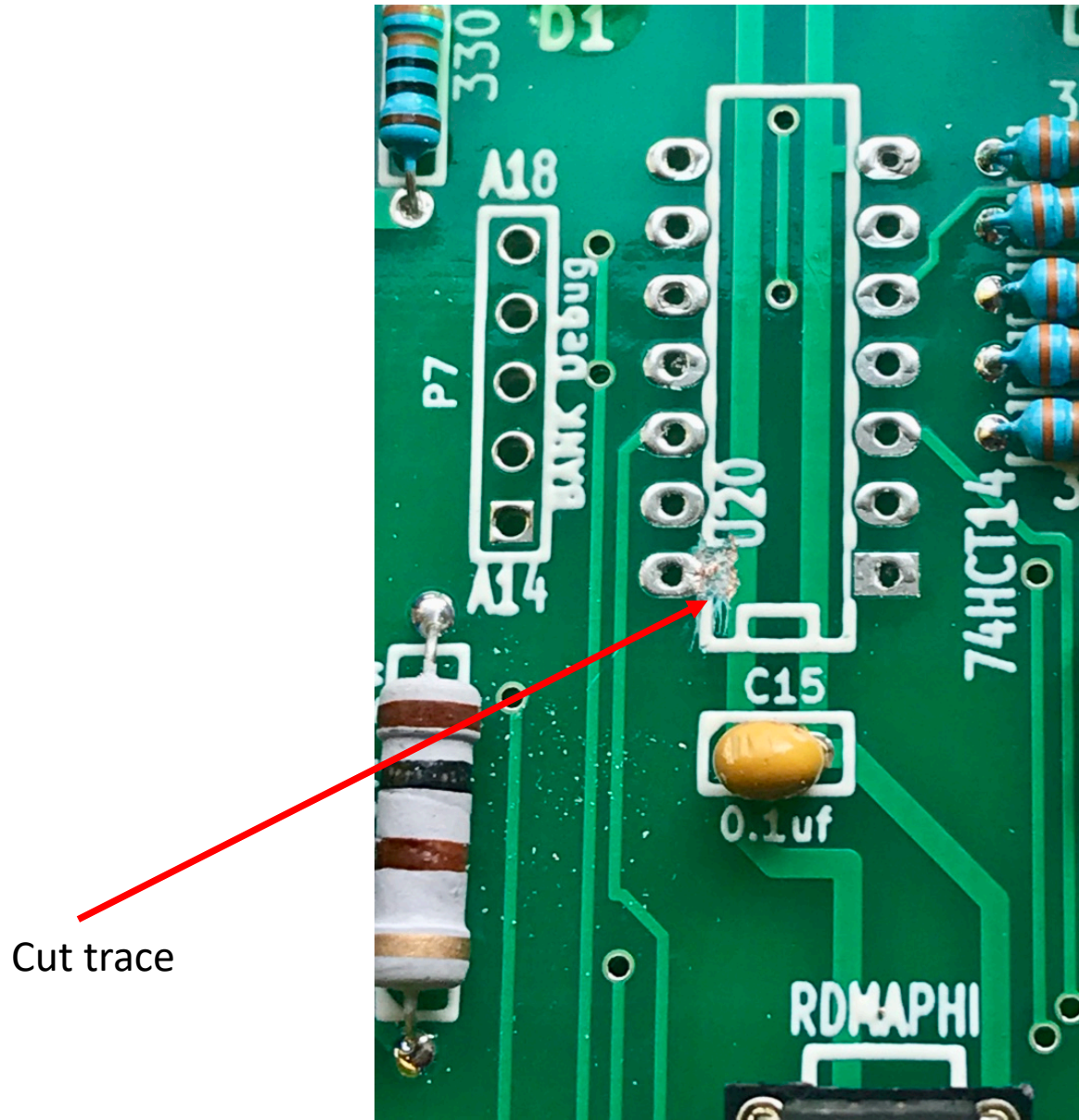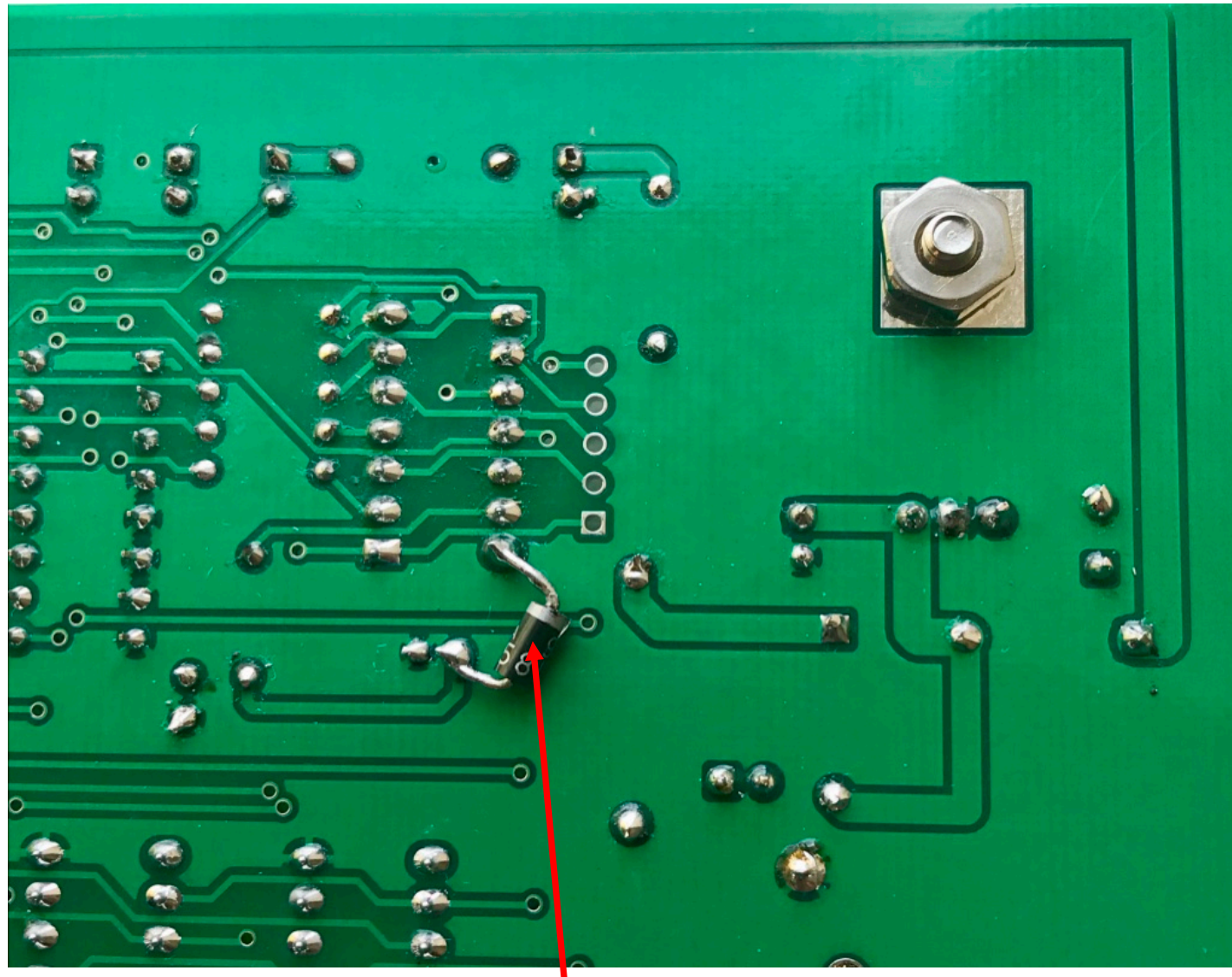# H8-Z80-512KB-RAM-MMU

512KB Battery Backup RAM Drive Rework

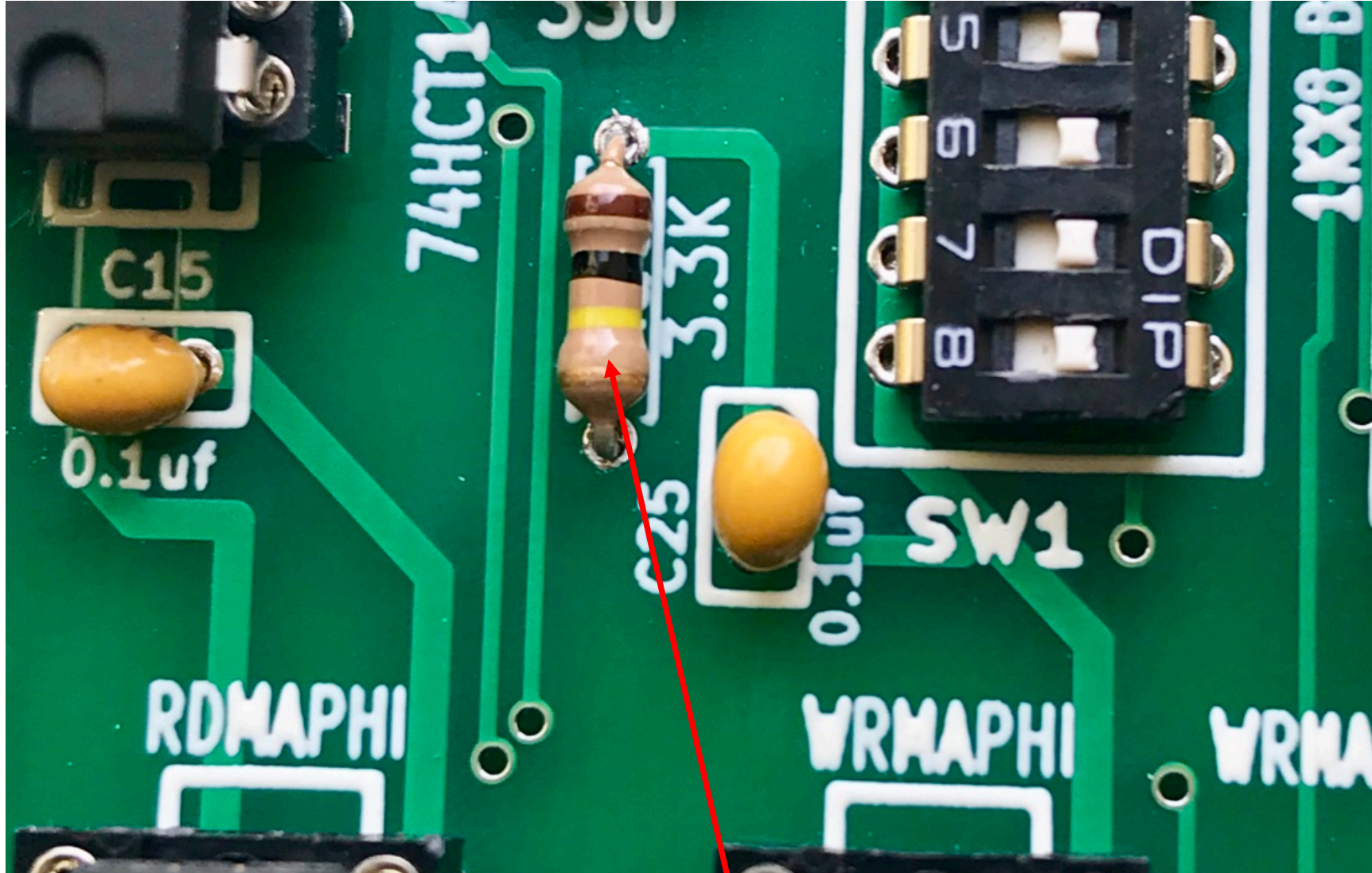Before soldering U20 (74HCT14) socket, cut pin 14 VCC trace

Cut trace

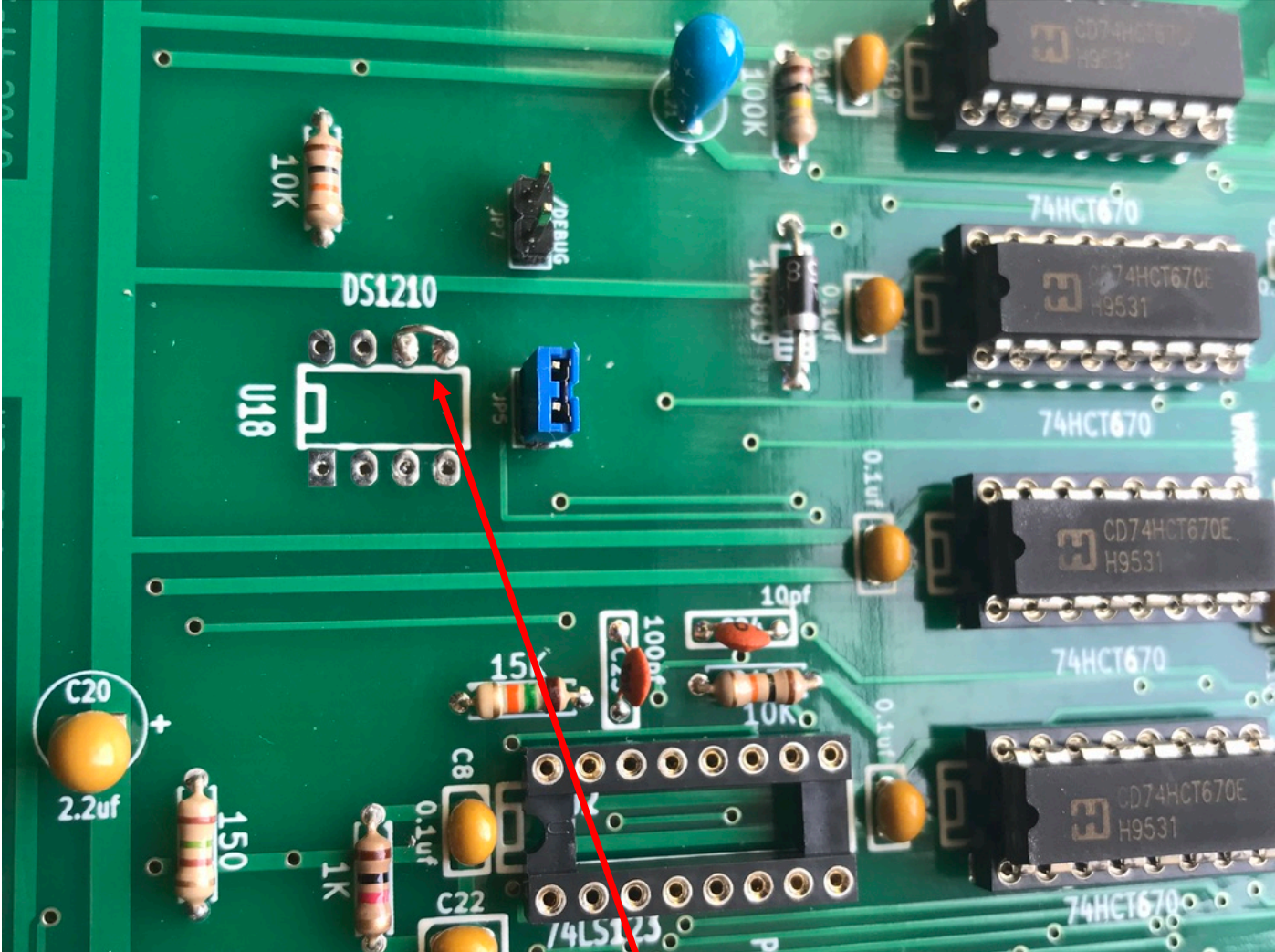# 512KB Battery Backup RAM Drive Rework

Solder a diode on side 2 (1N5819) from VCC to pin after soldering the 14-pin socket.

512KB Battery Backup RAM Drive Rework

Replace R18 (3.3K) with a 100K resistor.

512KB Battery Backup RAM Drive Rework

Insert/solder bare wired between U18 pins 5 and 6.

512KB Battery Backup RAM Drive Rework

- ✓ Insert RBAT jumper to provide 3.6V and 4.7V to the RAM to support a RAM Drive.
    - ✓ Remove this jumper only when replacing the 512KB RAM IC.
- ✓ If using an LIR2032 rechargeable or Non-Rechargeable CR2032 coin battery – remove the "Charge" jumper.
    - ✓ Only use this jumper when using NiMH batteries.
- ✓ Insert RAM_CS# Jumper
- ✓ Set Pulse Detector jumper to the PDD-OFF location.
- ✓ Set Delay_Write jumper to the "ON" position
- ✓ Set Map jumper to the "ON" position.
- ✓ Never install "/DEBUG" jumper as it will discharge the battery due to this rework.
- ✓ Insert 512KB board into the H8 system for normal operation.

512KB Components View