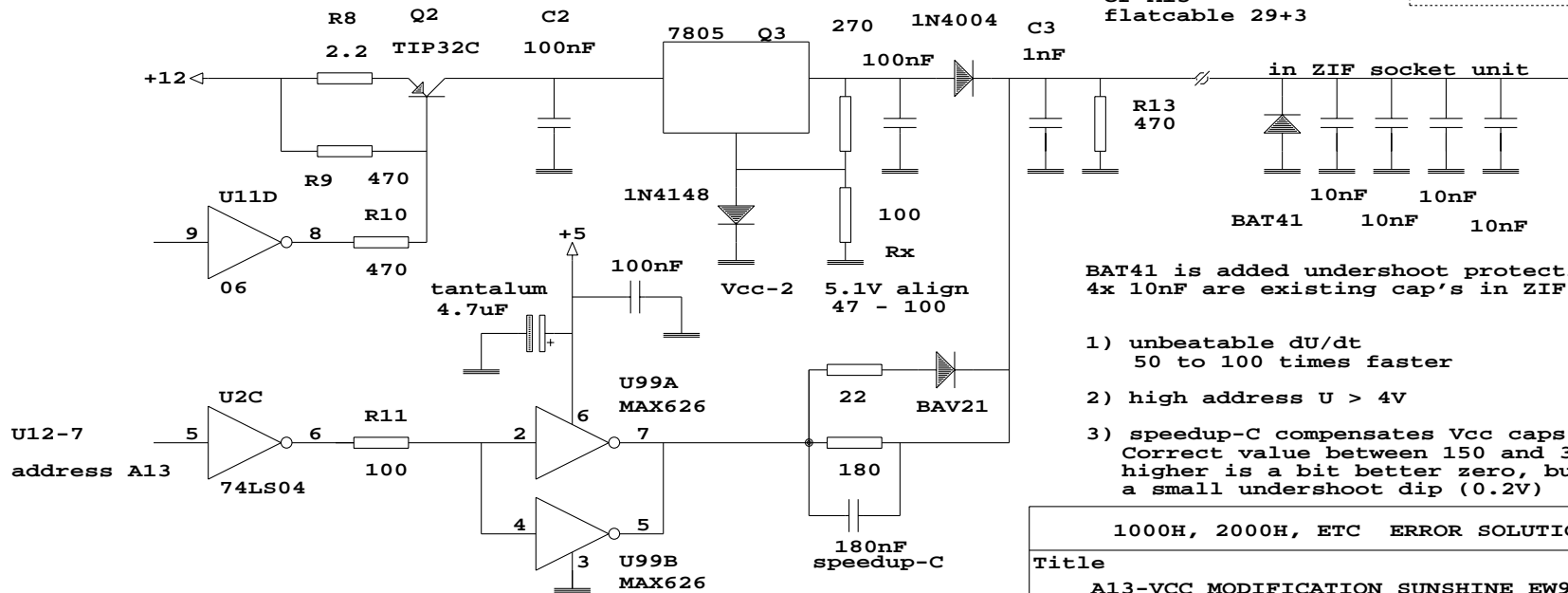


- 1) Too low dU/dt for A13 mode
- 2) U not high enough (2.7 V)

ORIGINAL CIRCUIT

MAX626 is an 8-pin DIL powerMOSFET driver designed to drive a heavy capacitive load. Added components could be placed on a piece of wirewrap board.

MODIFIED CIRCUIT WITH IMPROVED PERFORMANCE



BAT41 is added undershoot protection
4x 10nF are existing cap's in ZIF unit

- 1) unbeatable dU/dt
50 to 100 times faster
- 2) high address U > 4V
- 3) speedup-C compensates Vcc caps
Correct value between 150 and 330 nF
higher is a bit better zero, but with a small undershoot dip (0.2V)

Power supply bypassing caps of the MAX626 should be placed as near as possible to the chip. I soldered the MAX626 in dead beetle method. Top down, pins up. Caps between pins.

1000H, 2000H, ETC ERROR SOLUTION		
Title A13-VCC MODIFICATION SUNSHINE EW904B		
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