MCB version 1.2 (Production)

Board Modifications

Updated 30 November 2010 JTO

Updated 13 December 2010 TMS

\_\_\_\_ R54, R33, R34: Do not stuff (DNS)

**OBSOLETE – do not do the next item**

\_\_\_\_ U11, U14: solder 110 ohm pullup resistor (0603) across pins 5 and 4. The front

panel test point drivers are open-collector and need a pullup to get a good

voltage swing. Purely cosmetic -- does not impact board performance.

\_\_\_\_ Replace pushbutton -- it is unreliable! Note that this switch is SPDT. The

normally open pin 2 is not used. Also, the annular ring on the pushbutton

footprint is too small and is making intermittent connections. Solder wires

from the pushbutton leads directly to the discrete components:

U5 pin 1 (common) -> C19/R23

U5 pin 3 (normally closed) -> R24

\_\_\_\_ R24 : change to 10 ohms (needed to keep the board out of reset)

\_\_\_\_ The LDO regulator enable (pin5 of I339 and I396) is floating and it can cause intermittent regulator

shutdown. Add a wire to tie the net RST\_REG (pin 3 of Jumper RST) to GND. This forces

the regulators ON.

\_\_\_\_ Replace U11, U12, U13 and U14 with SNLVC1G34DBVR. This is a buffer rather than the OC gate original to the schematic. (Looks like U12 and U13 were already replaced.)