**Board Name:** TORRENT Mezzanine Board

**ECO:** TRNT-027

**Date:** 10/26/11

**Board Serial Number:** 007 > All REV A

**Part Numbers:**
- TRNT-EL-04-0003-007 > REV A
- TRNT-EL-04-1003 > REV A
- TRNT-EL-04-2003 > REV A1
- TRNT-EL-04-4003 > REV A3

**Component Information:**
- Components: TRNT-EL-04-0003-007, TRNT-EL-04-1003, TRNT-EL-04-2003, TRNT-EL-04-4003
- Value: 30.0K Ohm resistor in parallel with C27 and C28, R101, R136 respectively
- Value: 100K Ohm resistor between pins U3:8 to U3:9 and U6:8 TO U6:9, R137 and R138 respectively

**Cognizant Engineer:** Peter Moore

**Description of Modification:**

1. Add a 30.0K Ohm resistor in parallel with C27 and C28, R101, R136 respectively
2. Add a 100K Ohm resistor between pins U3:8 to U3:9 and U6:8 TO U6:9, R137 and R138 respectively

**Reason for Modification:**
Allow high voltage power supply control under low temperature conditions. Under low temperature conditions the LT4356 devices show excessive leakage current on pin 1 which drives the TMR pin to a level above 1.25v where turn on of the high voltage supply is inhibited. The values measured are 5.5v on pin 1 with leakage measured at approx. 17ua. Under these conditions pin 9 pullup current is also weakened considerably.

**Drawings Affected:**
- TRNT-EL-04-2003 A2
- TRNT-EL-04-4003 A3