

NOAO

ENGINEERING CHANGE ORDER

BOARD NAME <u>TORRENT LCB Mezzanine Board</u>	ECO# TRNT-031	DATE <u>3/2/2012</u>
BRD SERL# <u>ALL MEZ rev A =>007</u> REV <u>A</u>	ART# <u>TRNT-EL-07-0003-XXX</u>	
PN# _____ REV _____	_____ REV _____	_____ REV _____
ASBLY# <u>TRNT-EL-04-0003</u> REV <u>A2</u>	PCB# <u>TRNT-EL-04-1003</u> REV <u>A</u>	
BOM# <u>TRNT-EL-04-4003</u> REV <u>A4</u>	SCH# <u>TRNT-EL-04-2003</u> REV <u>A3</u>	
COGNIZANT ENGR <u>Peter Moore</u>	CHARGE# _____	

REASON FOR MODIFICATION:

Remove the VHV+ over voltage protection circuit. This improves the reliability of the +/-VHV switch-on to the AFE boards whilst the circuit functions in a constant current mode to supply the inrush current. The provision for an over voltage protection is in any case superfluous here since the +/-VHV supply is isolated from the primary 24v input power source.

DRAWINGS AFFECTED:	NEW REV
TRNT-EL-04-2003	A4
TRNT-EL-04-4003	A5
TRNT-EL-04-0003	A3

DESCRIPTION OF MODIFICATION:

1. Remove: R66, R78
2. Change: R72, R80 = 10 Ohms

Components R71, R74, R79, R87, Q3, Q4 become redundant due to this change. They may be removed or left on the board without prejudice.

TRNT-EL-04-0003

Remove note 6 and Detail it references