

NOAO

ENGINEERING CHANGE ORDER

BOARD NAME <u>Power Supply Board</u>	ECO# TRNT-018	DATE <u>18May 2011</u>
BRD SERL# <u>All Rev A</u> REV _____	ART# _____	
PN# <u>TRNT-EL-04-1001</u> REV _____	REV _____	
ASBLY# <u>TRNT-EL-04-0001</u> REV <u>A</u>	PCB# <u>TRNT-EL-04-1001</u> REV <u>A</u>	
BOM# <u>TRNT-EL-04-4001</u> REV <u>A2</u>	SCH# <u>TRNT-EL-04-2001</u> REV <u>A1</u>	
COGNIZANT ENGNR _____	APPROVD _____	

REASON FOR MODIFICATION:

1. Improve symmetry of Vbb control voltage around zero for both N & P Ch operation.
2. Set gain for the correct slope of U47
3. Stabilize the VBB supply, improve supply noise rejection
4. Increase the output voltage available from the Vana+- supplies to +-12V

DRAWINGS AFFECTED:	NEW REV
TRNT-EL-04-2001	A2
TRNT-EL-04-4001	A3

DESCRIPTION OF MODIFICATION:

1a. R169 0603 was 12.4K : is 20K ohms
 1b. R96 0603 was 68.1K : is 61.9K ohmsr
 2a. R173 0603 was 33.2K : is 27.4K ohms
 2b. R93 0603 was 36.5K : is 33.2K ohms (a reversal from 014, reverts back to original)

3a. Remove C147
 3b. Add 0603 0.01uF 50V Capacitor across R172 (In parallel, becomes C151)

4a. R161 0603 was 120K is 158K (a reversal of 014, reverts back to original)
 4b. R18 0603 was 11K is 6.04K
 4c. R107 0603 was 90.9K is 105K

This section to be completed by reviewing authority			
Review Date:		Reviewer(s):	
Disposition:	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Denied	<input type="checkbox"/> Request Additional Information