NOAO

ENGINEERING CHANGE ORDER

BOARD NAME	TORRENT TRANSITION UTILITY BRD			ECO#	**TRNT-020**	DATE	19MAY11
BRD SERL#	ALL REV A	REV		ART#	TRNT-EL-07-0009-XXX		
PN#		REV				REV	
ASBLY#	TRNT-EL-04-0009	REV	A	PCB#	TRNT-EL-04-1009	REV	A
BOM#	TRNT-EL-04-4009	REV	A	SCH#	TRNT-EL-04-2009	REV	A
COGNIZANT ENGNR				APPROVD			

REASON FOR MODIFICATION:

Removal C35 for VBB stability,

As a configuration item: addition of diode for reverse voltage protection

DRAWINGS AFFECTED:	NEW REV
TRNT-EL-04-0009	A1
TRNT-EL-04-2009	A1
TRNT-EL-04-4009	A1

DESCRIPTION OF MODIFICATION:

***This ECO should be done at system level implementation, diode installation direction is dependent upon N-CH or P-CH detector type. ***

1. Remove C35 (bottom of board), near J3, opposite side.

TO BE DONE AT SYSTEM BUILD BASED ON DETECTOR TYPE

Install diode BAV19WS using C35 pads and or nearby vias
Orientation of cathode as described below

If the application uses a positive Vbb potential i.e. we are dealing with a P-Channel type detector then the cathode of the diode points towards the R30 silkscreen marking.

If the application uses a negative Vbb potential i.e. we are dealing with a N-Channel type detector then the cathode of the diode points towards the C35 silkscreen marking.

This section to be completed by reviewing authority			
Review Date:		Reviewer(s):	
Disposition:	☐ Approved	☐ Denied	☐ Request Additional Information

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