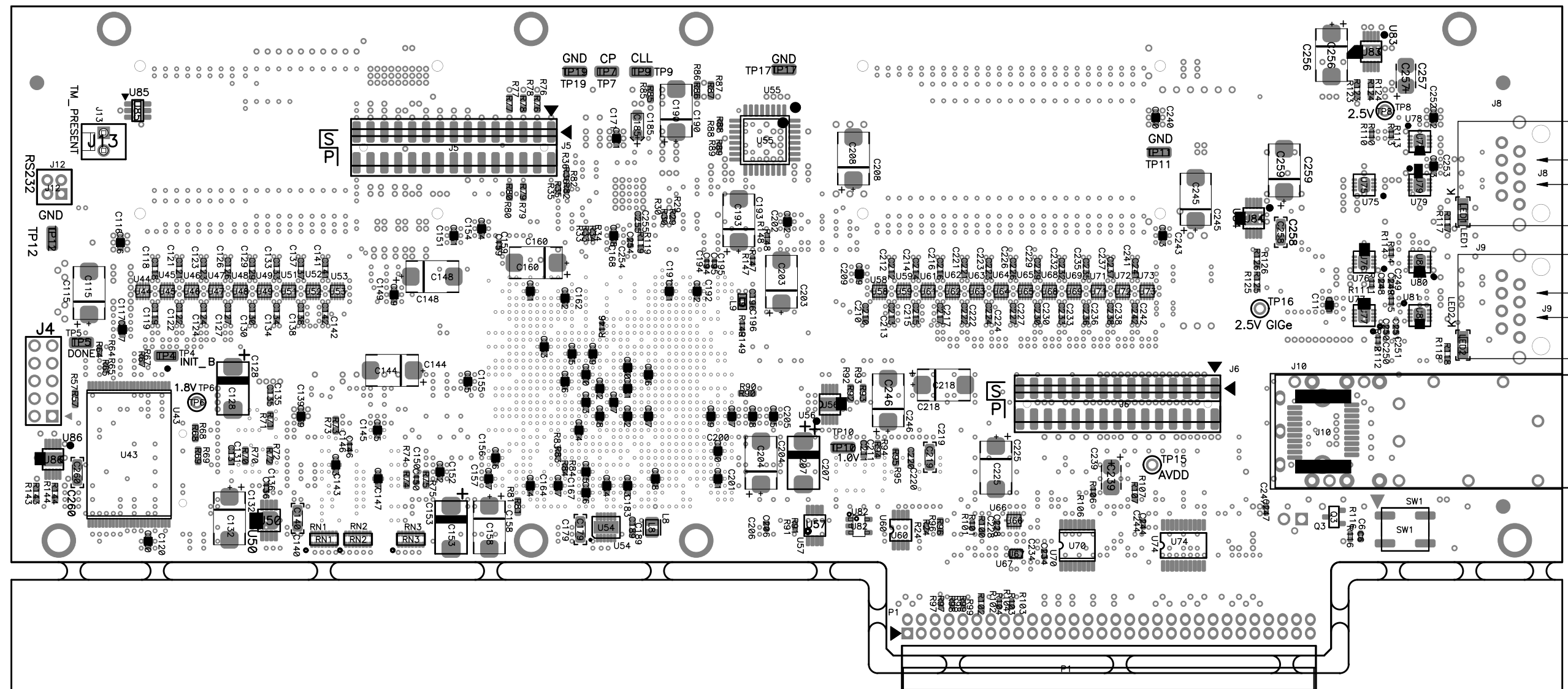


REVISIONS

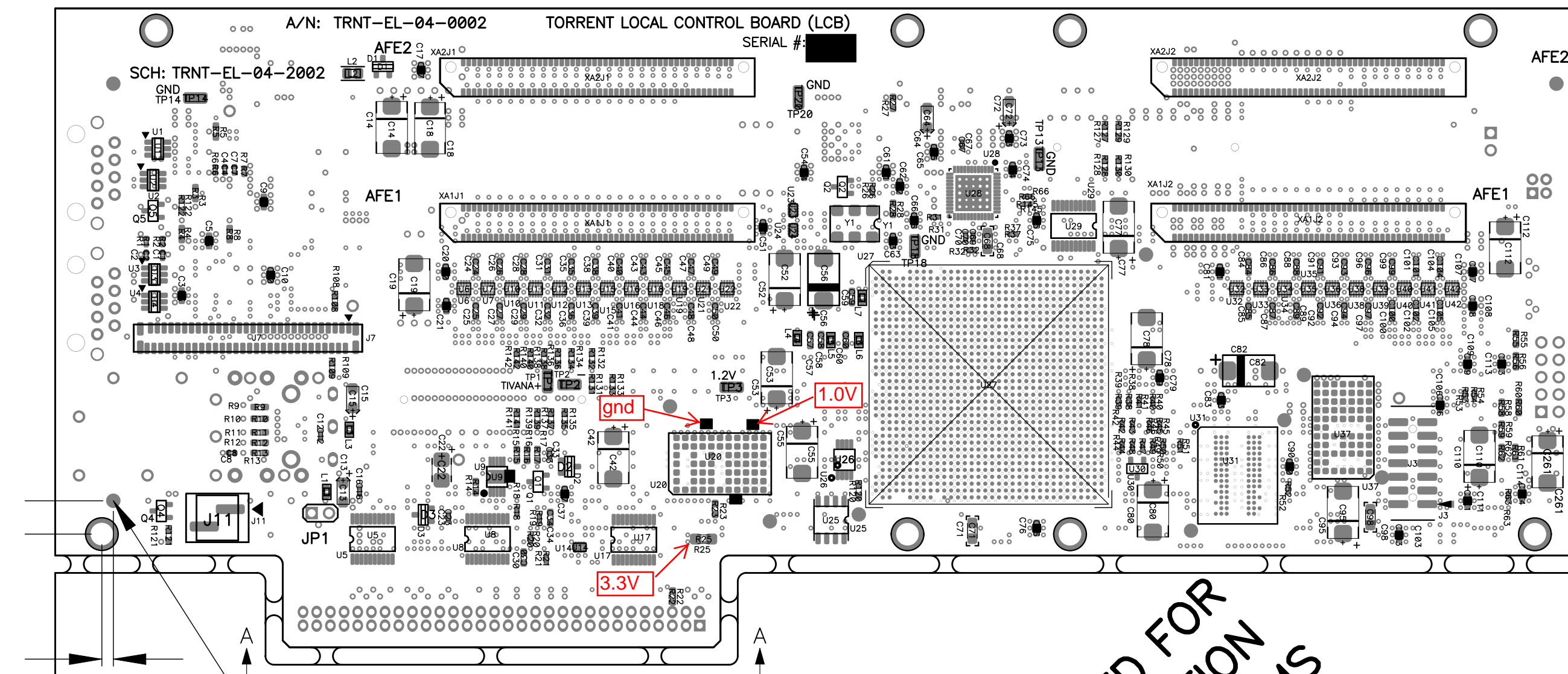
ZONE	LTR	REVISIONS	ECR	DATE	BY	APRV
	OD	INITIAL RELEASE		24MAR09	DMS	
	-1	see ECO for details	TRNT-0003	27JUL09	DMS	
	A	see ECO for details	TRNT-0012	06OCT10	DMS	P.MOORE
	A1	Add D2, D3, wire	TRNT-0017	19may11	DMS	P.MOORE
	B	see ECO for details	TRNT-0024	03nov11	DMS	P.MOORE



BOTTOM ASSEMBLY

NOTES:

- Before installing any components check all boards using an ohm meter for shorts between all power and ground nodes.
- Use document # TRNT-EL-04-4002 latest revision for Parts List
- Assembly is to be ROHS compliant, & inspected to IPC-A-610 D class 2.
- All polarized caps are marked with a plus (+) sign closest to the positive node.
- Diode orientation: LED1 LED2 cathode marking is the letter "K".
- All holes of uninstalled components shall be kept free of solder.
- Do not cover serial number area with vendor labels or markings. Use a blank area near board identification text for vendor label and marking placement.
- PNP report origin
- J5 and J6 orientation Pin 1 shall be the row that is a socket.
- If modifications are performed on this board, the cleaning process should be confined to the modified areas. Do not subject the board to any all-over cleaning processes.
- Handling tab shall be removed prior to delivery.
- Vendor does not need to do anything with the 888 digits on primary side of board, these are for NAO purposes.



TOP ASSEMBLY

VENDOR NOTE: NOTIFY NAO OF ANY CONFLICTING REQUIREMENTS OR IF BOARDS CANNOT BE MANUFACTURED TO MEET THE REQUIREMENTS, DUE TO VENDORS PROCESS AND/OR TECHNIQUES OR BECAUSE PHOTO TOOLS AND/OR SPECIFICATIONS ARE INADEQUATE.

APPROVED FOR CONSTRUCTION 11-03-11 DMS

Modified Date: Fri Nov 04, 2011
Print Date: Fri Nov 04, 2011

QTY REQ'D	PART OR IDENTIFYING NO	ITEM DESCRIPTION	ITEM NO
TOLERANCES UNLESS OTHERWISE NOTED		NATIONAL OPTICAL ASTRONOMY OBSERVATORIES	
.XX ± .03		OPERATED BY THE	
.XXX ± .010		ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	
ANGULAR ± 5°		UNDER COOPERATIVE AGREEMENT WITH	
THIRD ANGLE PROJECTION		NATIONAL SCIENCE FOUNDATION	
DO NOT SCALE DRAWING		NAME	USED ON
NEXT ASSEMBLY TRNT-EL-02-0012		ASSEMBLY LOCAL CONTROL BOARD (LCB)	TORRENT
REFER TO SCHEMATIC TRNT-EL-04-2002		DWG SIZE	REV
SCALE: FULL		C	B
DESIGNED BY Dee Stover	DATE 10MAR09	CHECKED BY	DATE
DWG PRODUCED USING PCAD 2006	DRAWN BY Dee Stover	APPROVED BY	DATE
DWG NO TRNT-EL-04-0002		SHEET 1 OF 1	