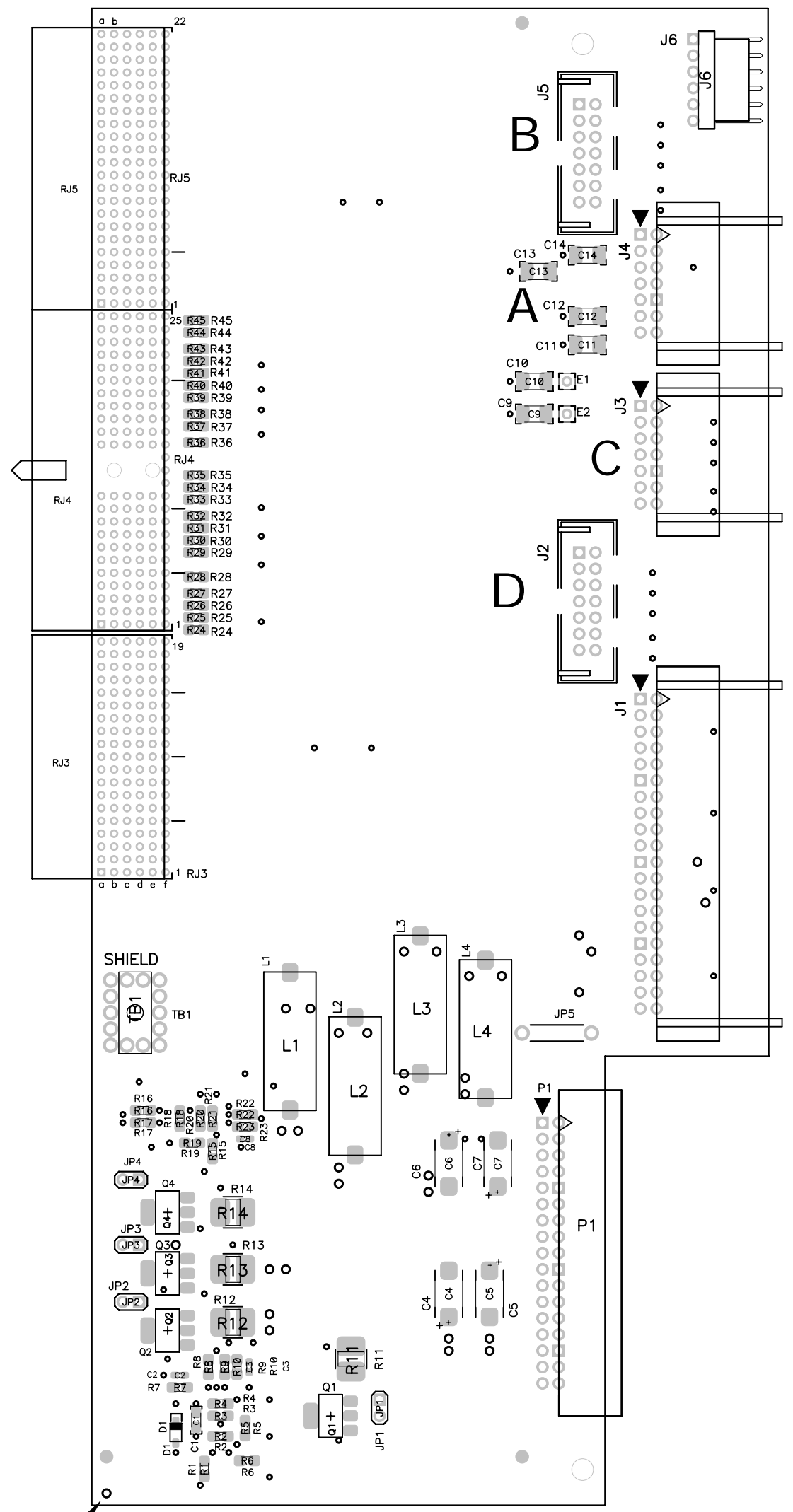
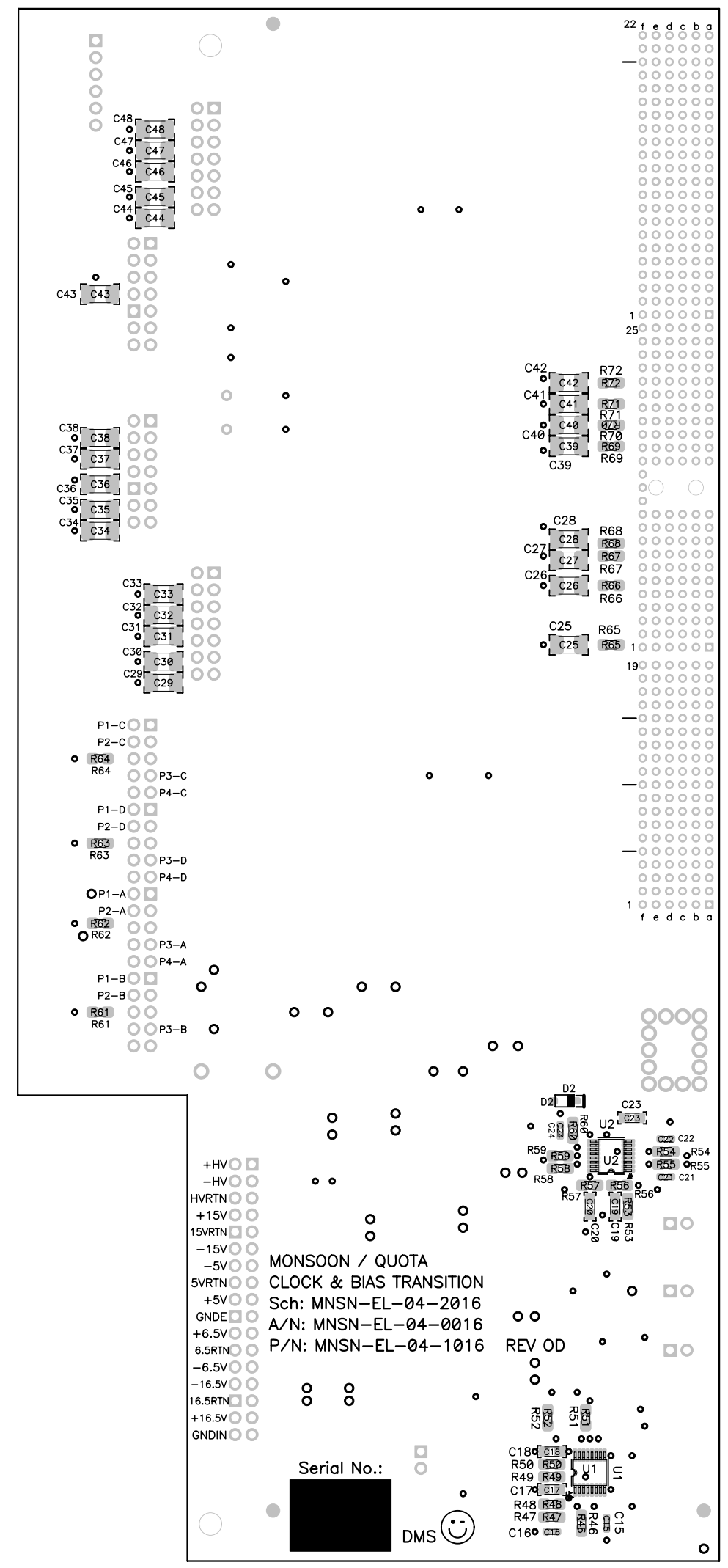


REVISIONS						
ZONE	LTR	REVISIONS	ECR	DATE	BY	APRV
	OD	initial release		01DEC06	dms	p.moore



TOP ASSEMBLY

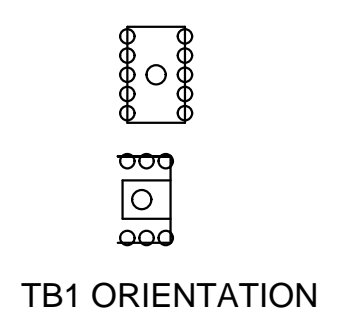


BOTTOM ASSEMBLY

- NOTES:
- Reference MNSN-EL-04-4016 Parts List
 - Before installing any components check all boards using an ohm meter for shorts between all power and ground nodes.
 - All polarized caps are marked with a (+) sign on the positive node.
 - All diodes have a heavy line on the cathode side.
 - Parts can be crossed as long as the replacement is the same or an upgrade of the specified part.
 - Resistance values are in ohms, capacitance values are in uF (microfarads).
 - Make sure all axial leaded components are inserted with the value up and readable.
 - Holes and/or lands of components that are not installed should be kept free of solder.
 - This assembly contains electrostatic discharge (ESD) sensitive devices. Static free handling is required.
 - rJ3, rJ4, rJ5 are press fit connectors and SHALL be soldered in place to ensure connectivity.
 - TB1 can be a 10 pin, 6 pin or 4 pin part. With card positioned as shown in top assembly view the 10 pin orientation will use pins to the left and right, 4 & 6 pin orientation will use the pins located towards top and bottom of card.

MONSOON / QUOTA
 CLOCK & BIAS TRANSITION
 Sch: MNSN-EL-04-2016
 A/N: MNSN-EL-04-0016
 P/N: MNSN-EL-04-1016
 REV OD

Serial No.:
 DMS ☺



APPROVED FOR CONSTRUCTION
 12-01-06

PRINT DATE: Fri Dec 08, 2006
 MODIFIED DATE: Fri Dec 08, 2006

VENDOR NOTE: NOTIFY NOAO 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.

QTY REQ'D	PART OR IDENTIFYING NO	ITEM DESCRIPTION	ITEM NO
TOLERANCES UNLESS OTHERWISE NOTED .XX ± .03 .XXX ± .010		 THIRD ANGLE PROJECTION	NATIONAL OPTICAL ASTRONOMY OBSERVATORIES <small>OPERATED BY THE ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY UNDER COOPERATIVE AGREEMENT WITH NATIONAL SCIENCE FOUNDATION</small>
DO NOT SCALE DRAWING			
NEXT ASSEMBLY		NAME ASSEMBLY MONSOON / QUOTA	USED ON Monsoon QUOTA
REFER TO SCHEMATIC MNSN-EL-04-2016		Clock & Bias Transition Board	REF OD
SCALE: FULL	DESIGNED BY D. Stover	DATE 11OCT06	CHECKED BY DATE
DWG PRODUCED USING PCAD2004	DRAWN BY Dee Stover	DATE 16NOV06	APPROVED BY DATE
DWG NO MNSN-EL-04-0016		RELEASED	SHEET 1 OF 1