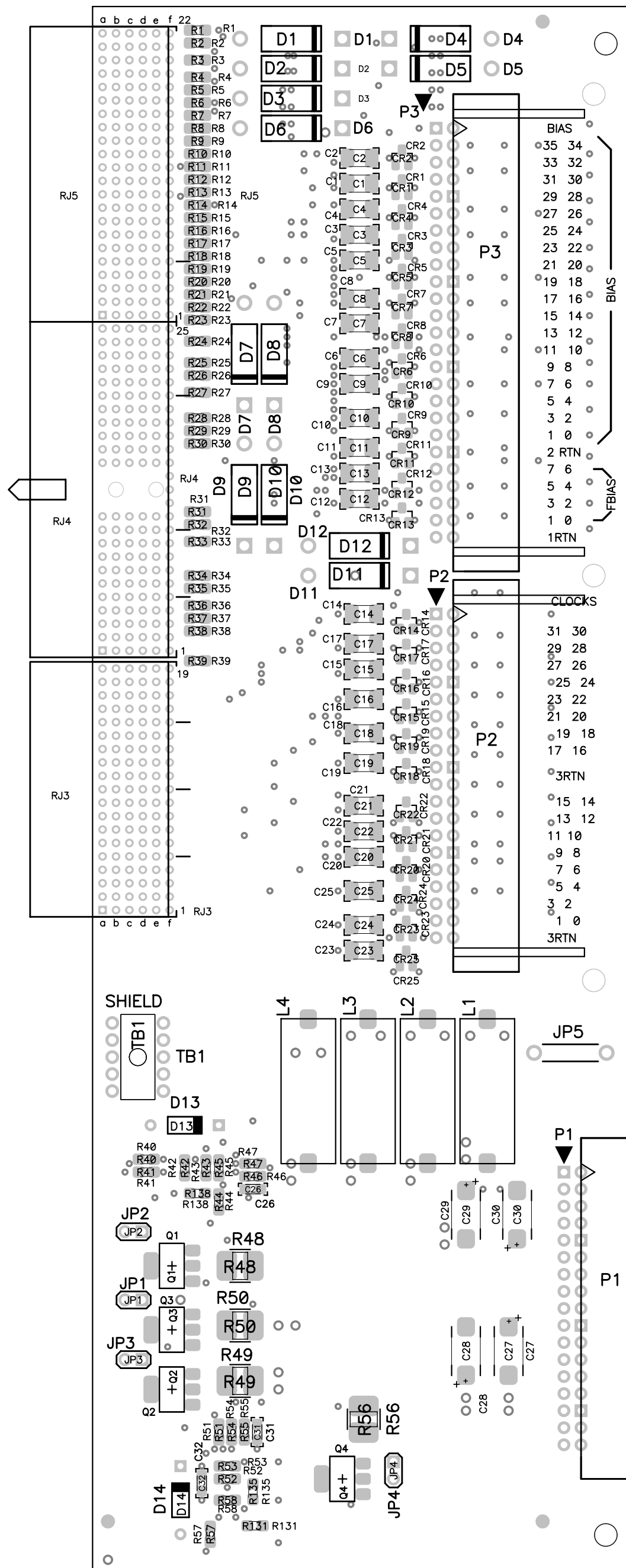
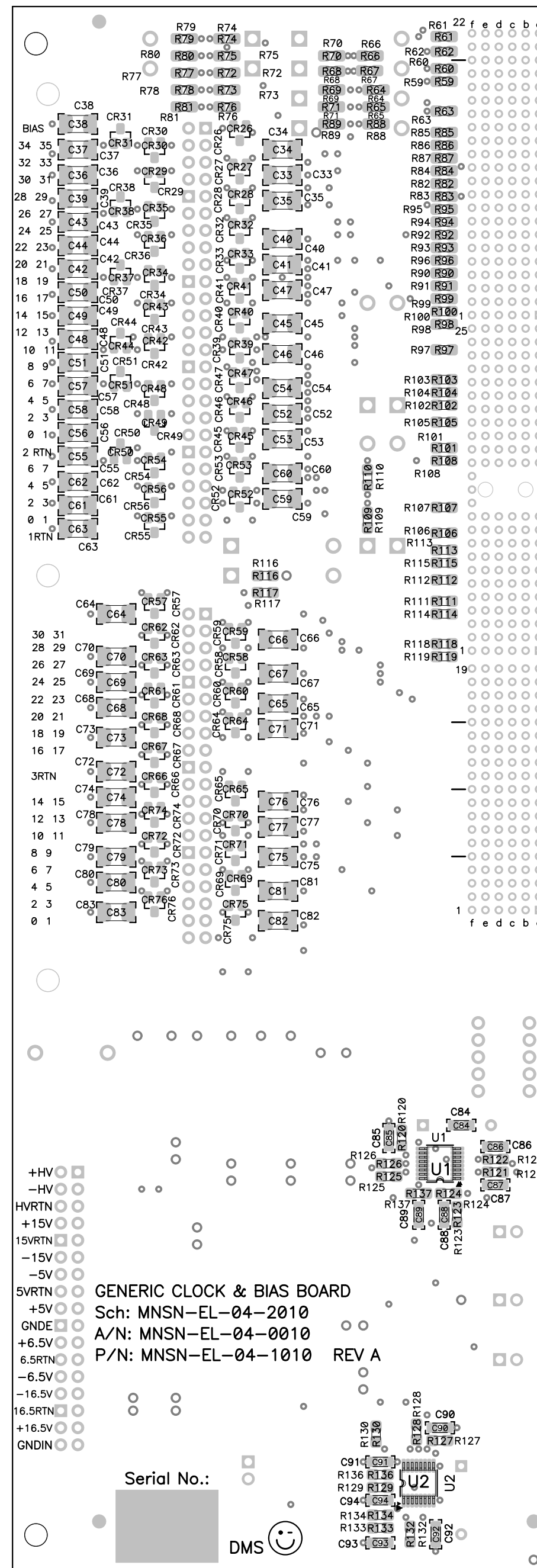


REVISIONS

ZONE	LTR	REVISIONS	ECR	DATE	BY	APRV
	A	repositioned inductors in circuit, change to shield grounds 47uF cap pattern change	MNSN-0110	05oct05	dms	p.moore



TOP
ASSEMBLY



BOTTOM
ASSEMBLY

NOTES:

1. Reference MNSN-EL-04-4010 Bill of Materials
2. Before installing any components check all boards using an ohm meter for shorts between all power and ground nodes.
3. All polarized caps are marked with a (+) sign on the positive node.
4. All diodes have a heavy line on the cathode side.
5. Parts can be crossed as long as the replacement is the same or an upgrade of the specified part.
6. Resistance values are in ohms, capacitance values are in uF (microfarads).
7. Make sure all axial leaded components are inserted with the value up and readable.
8. Holes and/or lands of components that are not installed should be kept free of solder.
9. This assembly contains electrostatic discharge (ESD) sensitive devices. Static free handling is required.
10. rJ3, rJ4, rJ5 are press fit connectors and SHALL be soldered in place to ensure connectivity.

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		<p>THIRD ANGLE PROJECTION</p>	<p>NATIONAL OPTICAL ASTRONOMY OBSERVATORIES OPERATED BY THE ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY UNDER COOPERATIVE AGREEMENT WITH NATIONAL SCIENCE FOUNDATION</p>
.XX ± .03	ANGULAR		
.XXX ± .010	±.5°		
DO NOT SCALE DRAWING		NAME	USED ON
NEXT ASSEMBLY		<p>ASSEMBLY Generic Clock & Bias Transition</p>	<p>Monsoon</p>
REFER TO SCHEMATIC			DWG SIZE
MNSN-EL-04-2010		C	A
SCALE: FULL	DESIGNED BY: D. Stover	DATE: 01nov04	CHECKED BY: DATE: DWG NO: MNSN-EL-04-0010
DWG PRODUCED USING: PCAD2004	DRAWN BY: Dee Stover	DATE: 15nov04	APPROVED BY: DATE: RELEASED: SHEET 1 OF 1