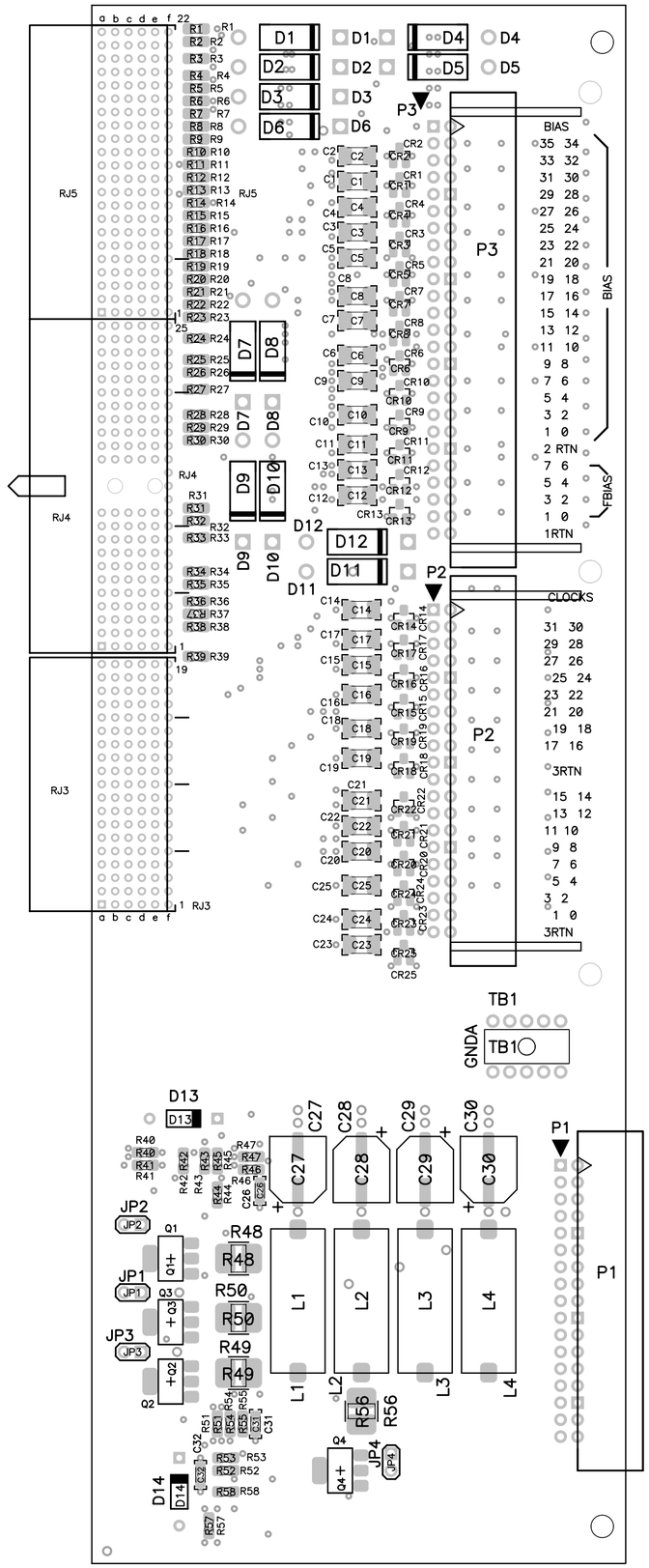
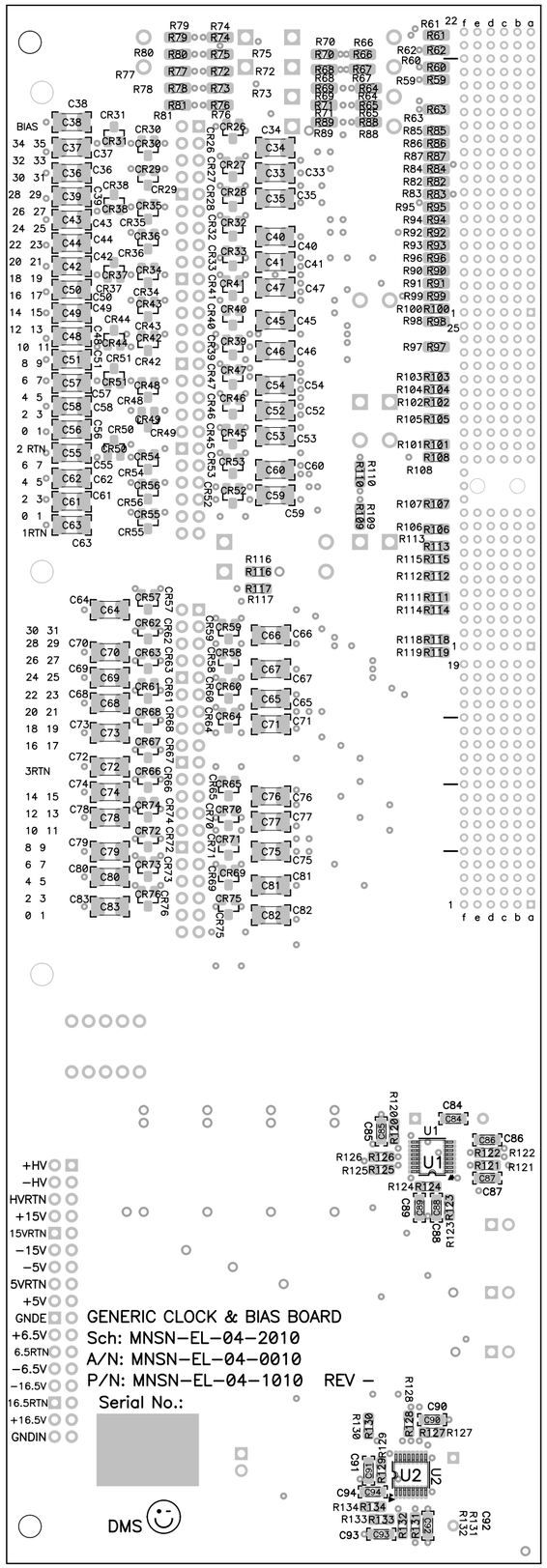
REVISIONS						
ZONE	LTR	REVISIONS	ECR	DATE	BY	APRV
	−1	ECO items 1.1.2, 1.1.5 & 2.0	MNSN−0110	05oct05	dms	p.moore

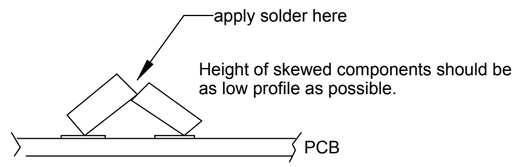


TOP
ASSEMBLY



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.



Using the pads of location R43, R52, R124, R129 install the following as depicted above.

R43 AND R43B
R52 AND R52B
〉 TOP SIDE

R124 AND R124B
R129 AND R129B
〉 BOTTOM SIDE

QTY REQ'D	PART OR IDENTIFYING NO	ITEM DESCRIPTION		ITEM NO

TOLERANCES UNLESS OTHERWISE NOTED
.XX ± .03
.XXX ± .010
ANGULAR ±.5°

THIRD ANGLE PROJECTION

NATIONAL OPTICAL ASTRONOMY OBSERVATORIES
OPERATED BY THE
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY
UNDER COOPERATIVE AGREEMENT WITH
NATIONAL SCIENCE FOUNDATION

DO NOT SCALE DRAWING

NEXT ASSEMBLY

REFER TO SCHEMATIC
MNSN−EL−04−2010

NAME
ASSEMBLY
Generic
Clock & Bias Transition

USED ON: Monsoon
REF:
DWG SIZE: C
REV: −1

SCALE:	DESIGNED BY	DATE	CHECKED BY	DATE	DWG NO	
FULL	D. Stover	01nov04				MNSN−EL−04−0010
DWG PRODUCED USING: PCAD2004	DRAWN BY: Dee Stover	DATE: 15nov04	APPROVED BY	DATE	RELEASED	SHEET 1 OF 1