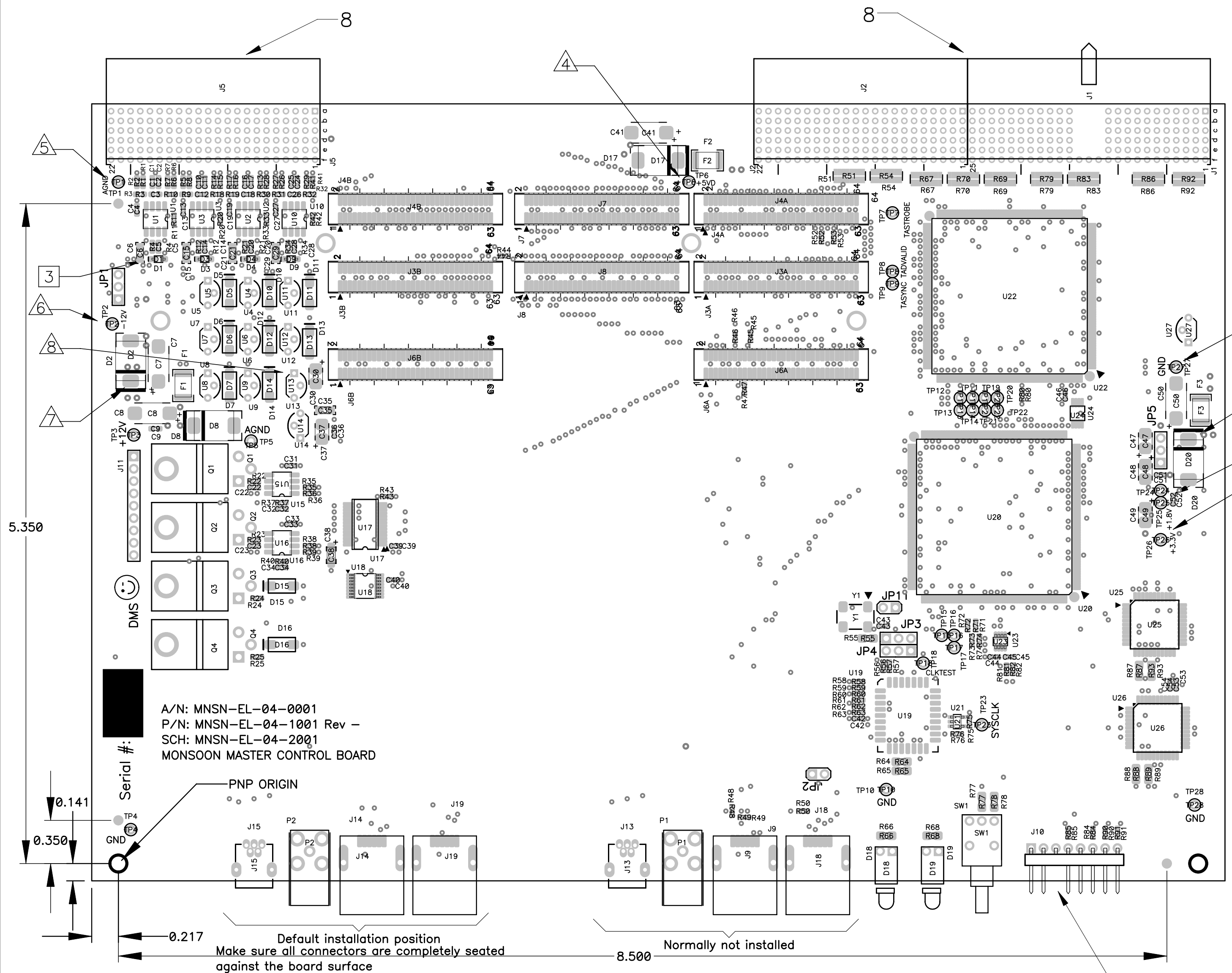


REVISIONS

ZONE	LTR	REVISIONS	ECR	DATE	BY	APRV
	-1	Add R181 and R182 to bottom of board, note 7	mnsn-0100	27may04	dms	pcm
	-2	Add notes 8, 9, Views A & B	devel MNSN-0101	18AUG04	dms	pcm



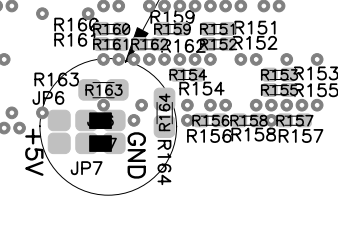
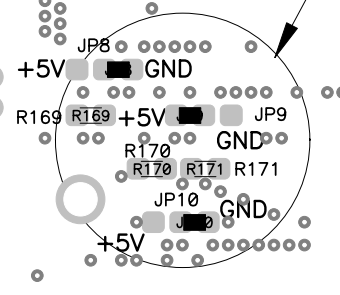
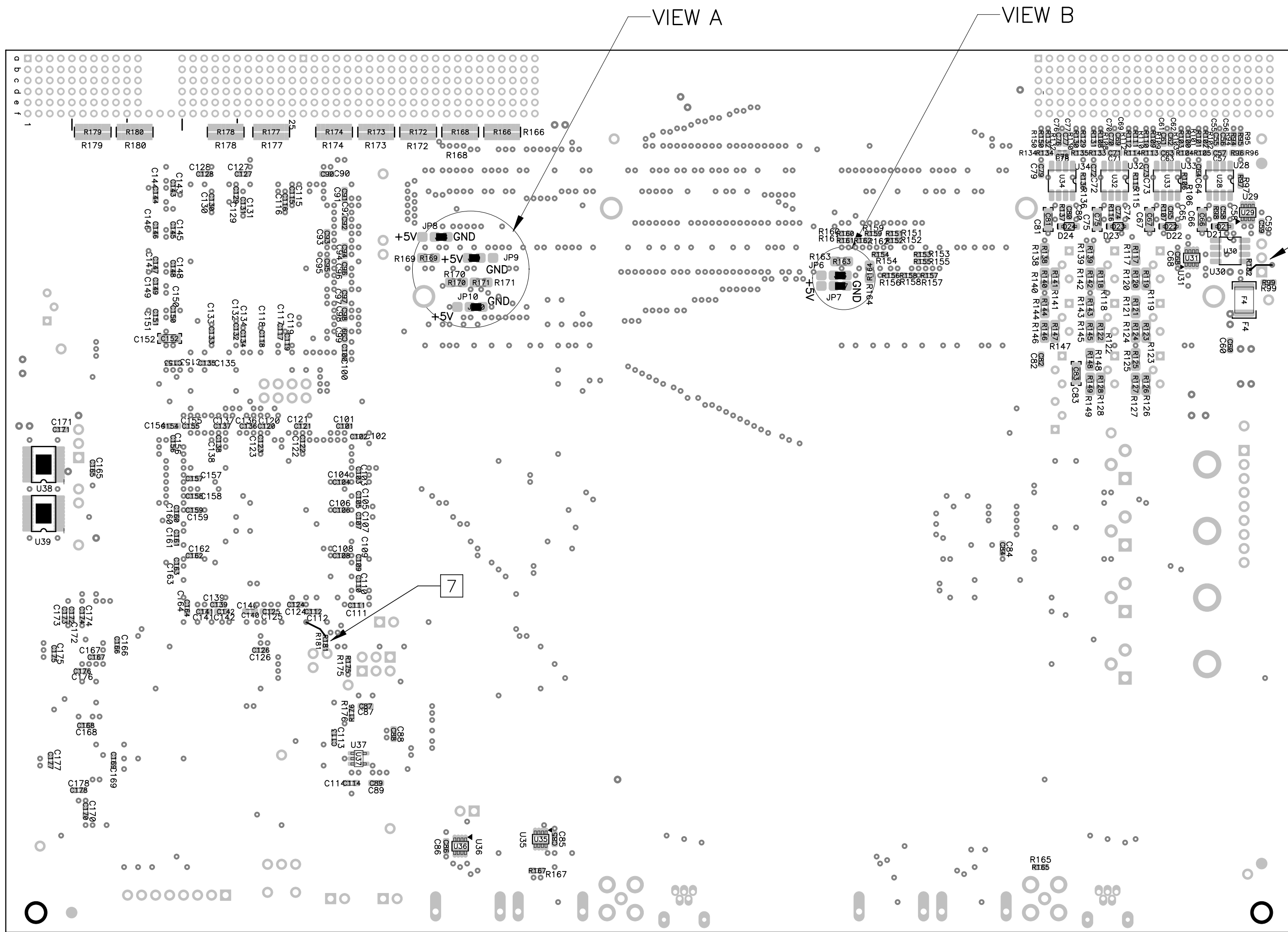
A/N: MNSN-EL-04-0001
 P/N: MNSN-EL-04-1001 Rev -
 SCH: MNSN-EL-04-2001
 MONSOON MASTER CONTROL BOARD

Default installation position
 Make sure all connectors are completely seated
 against the board surface

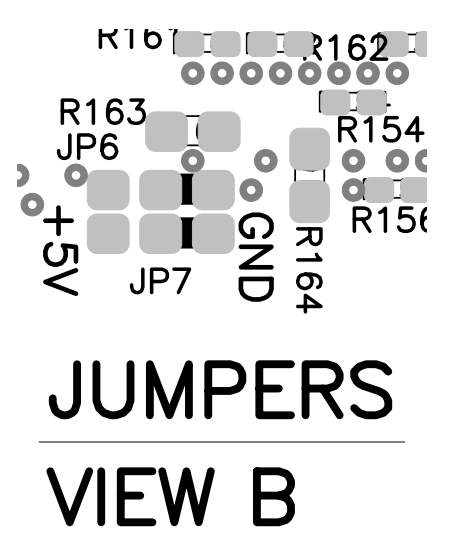
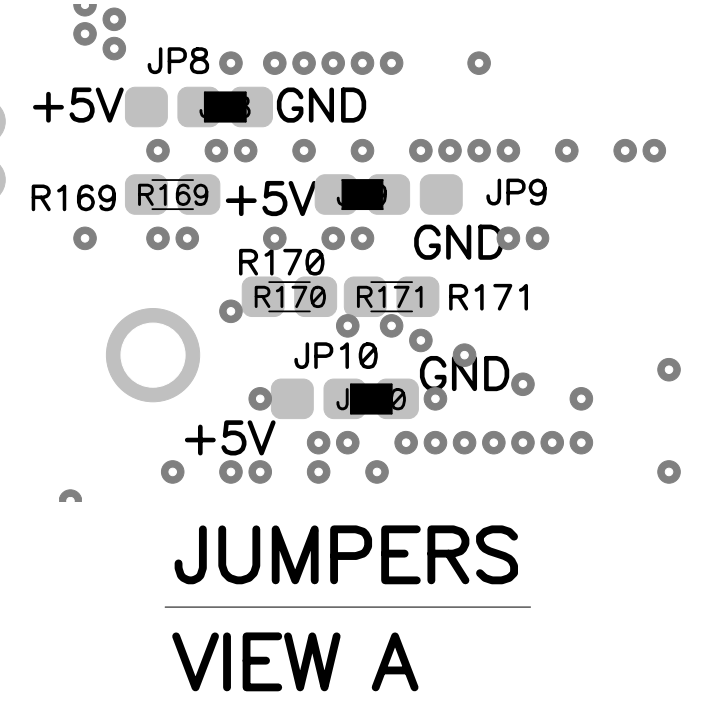
ASSEMBLY TOP

- NOTES:
- Before installing any components check all boards using an ohm meter to verify open circuit between all power and ground nodes. Check all triangles, (labeled 1-8) for shorts between them.
 - All polarized caps are marked with a plus (+) sign on the positive node.
 - All diodes have a bar marking the cathode side.
 - All holes and lands of uninstalled components shall be kept free of solder.
 - Trim leads on bottom of board $\leq .079$ inches tall.
 - Fiducial dimensional locations apply to both the top and the bottom of the board.
 - Add R181 and R182 to bottom of the board. Solder one side of R181 directly to TP15 use a wire to connect the other side to a +3.3VD via. Solder one side of R182 directly to U30-5, use a wire to connect the other side to a +3.3VD via. Lines shown between component and via represent the wiring connection.
 - Leads of cPCI connectors J1, J2 & J5, are to be soldered.
 - Cut pin 3 of J10 for keying.

QTY REQ'D	PART OR IDENTIFYING NO	ITEM DESCRIPTION	ITEM NO
TOLERANCES UNLESS OTHERWISE NOTED		 THIRD ANGLE PROJECTION	NATIONAL OPTICAL ASTRONOMY OBSERVATORIES OPERATED BY THE ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY UNDER COOPERATIVE AGREEMENT WITH NATIONAL SCIENCE FOUNDATION
.XX ± .03	ANGULAR		
.XXX ± .010	±.5°		
DO NOT SCALE DRAWING		NAME	USED ON
NEXT ASSEMBLY		ASSEMBLY MONSOON MASTER CONTROL	MONSOON
REFER TO SCHEMATIC			DWG SIZE
MNSN-EL-04-2001		C	-2
SCALE: FULL	DESIGNED BY P. MOORE	DATE JAN04	CHECKED BY
DWG PRODUCED USING PCAD2001	DRAWN BY Dee Stover	DATE 23FEB04	APPROVED BY
DWG NO MNSN-EL-04-0001		DATE	RELEASED
SHEET 1 OF 2			



7



ASSEMBLY BOTTOM

QTY REQ'D	PART OR IDENTIFYING NO	ITEM DESCRIPTION	ITEM NO
TOLERANCES UNLESS OTHERWISE NOTED .XX ± .03 ANGULAR .XXX ± .010 ±.5°		 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		NAME ASSEMBLY MONSOON MASTER CONTROL	USED ON MONSOON
NEXT ASSEMBLY MNSN-EL-04-0001		DWG SIZE C	REF -2
REFER TO SCHEMATIC MNSN-EL-04-2001			REV -2
SCALE: FULL	DESIGNED BY P. MOORE	DATE JAN04	CHECKED BY
DWG PRODUCED USING PCAD2001	DRAWN BY Dee Stover	DATE 23FEB04	APPROVED BY
		DWG NO MNSN-EL-04-0001	RELEASED
		SHEET	2 OF 2