



- NOTES:
1. Reference MNSN-EL-04-4016 Parts List
 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.
 11. 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.

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.

APPROVED FOR
CONSTRUCTION
12-01-06

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

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

QTY REQ'D	PART OR IDENTIFYING NO	ITEM DESCRIPTION			ITEM NO				
TOLERANCES UNLESS OTHERWISE NOTED .XX ± .03 .XXX ± .010		ANGULAR ±.5°		THIRD ANGLE PROJECTION					
DO NOT SCALE DRAWING		NAME		USED ON	REF				
NEXT ASSEMBLY		ASSEMBLY		Monsoon QUOTA					
REFER TO SCHEMATIC		MONSOON / QUOTA		DWG SIZE	REV				
MNSN-EL-04-2016		Clock & Bias Transition Board		C	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	