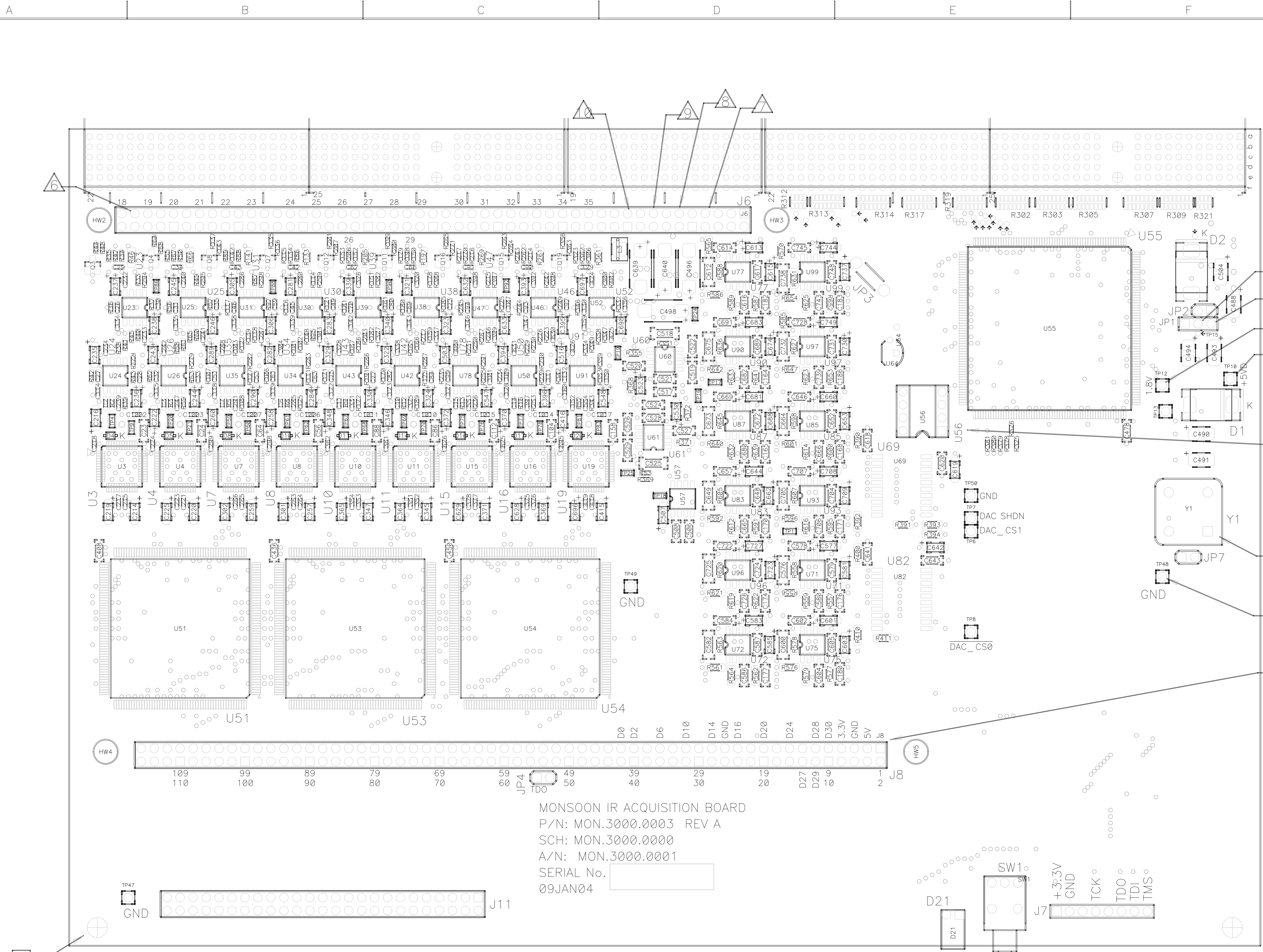


REVISIONS						
ZONE	LTR	REVISIONS	ECR	DATE	BY	APRV



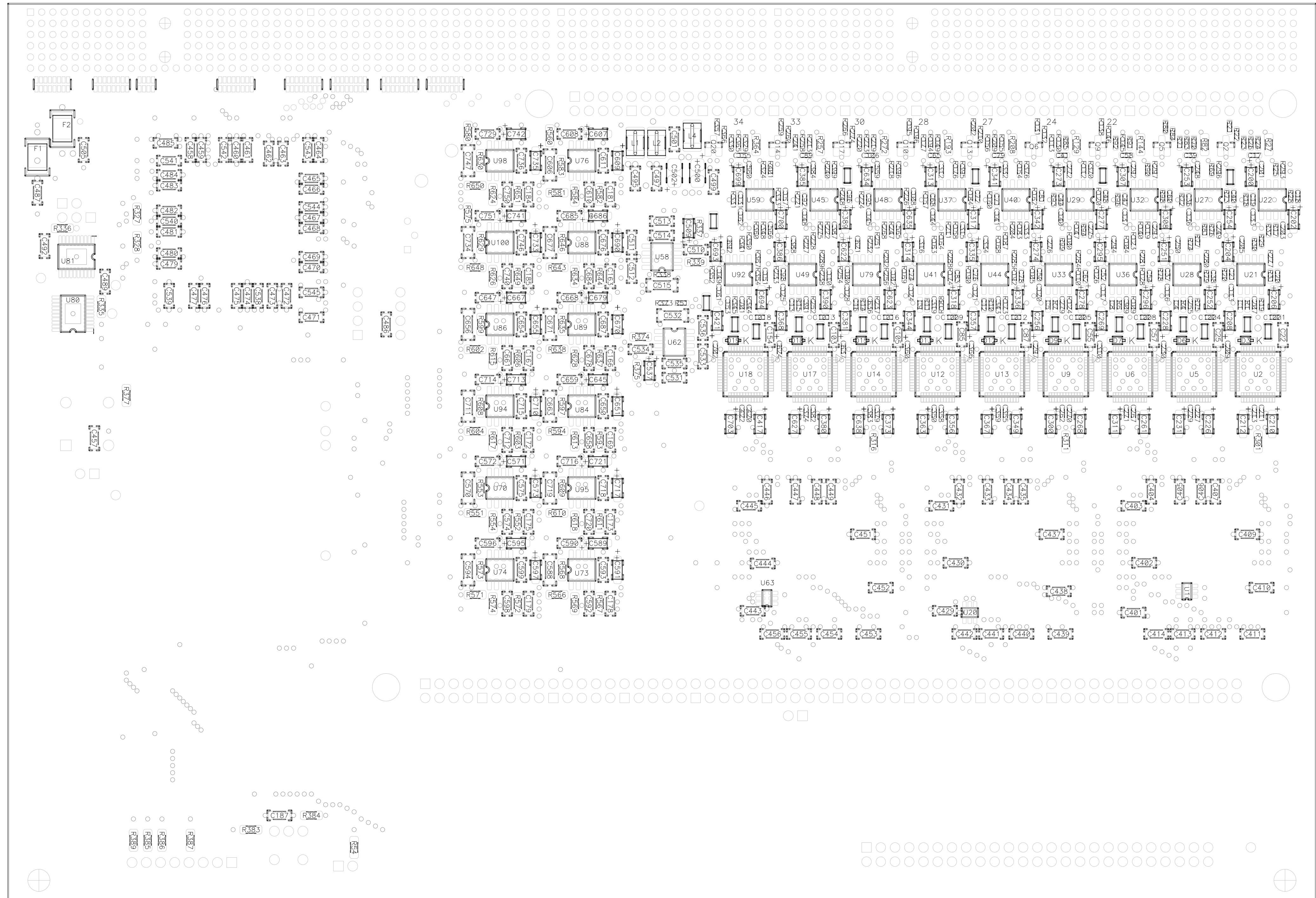
- NOTES:
1. Before installing any components check all boards using an ohm meter for shorts between all power and ground nodes. Check all triangle nodes, (labeled  $\Delta$  -  $\Delta$ ) no shorts should exist between any of these nodes.
  2. All polarized caps are marked with a plus (+) sign on the positive node.
  3. All holes and lands of uninstalled components should be kept free of solder.
  4. Install (2) 4 x 1 socket headers in position U56
  5. Y1 oscillator is socketed, solder in pin jacks, discard pin carrier.
  6. J8 requires a combination of 2 part numbers to complete.
  7. JP1, JP2, JP4, JP7 are to be built from a longer header strip
  8. Trim leads on bottom of board <= .079 inches tall.
  9. PNP report origin
  10. D1, D2 package marking BDE
  11. L1-L4 install 18-20 awg solid wire across the pads.
  12. J1 - J5 are press fit connectors and do not require soldering.
  13. Modification: U64 connection error - cut off pin 3, install pin 2 (center) into the square pad and pin 1 into the round pad.

MONSOON IR ACQUISITION BOARD  
 P/N: MON.3000.0003 REV A  
 SCH: MON.3000.0000  
 A/N: MON.3000.0001  
 SERIAL No.   
 09JAN04

### TOP ASSEMBLY

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		NAME ASSEMBLY DRAWING MONSOON IR ACQ MOTHER BOARD TOP OR PRIMARY SIDE		USED ON MONSOON		REF	
NEXT ASSEMBLY MNSN-EL-10-0100		SCHEMATIC MNSN-EL-04-2004		DWG SIZE D		REV A1	
SCALE:	DESIGNED BY Starr/Stover	DATE 31MAY02	CHECKED BY	DATE	DWG NO	MNSN-EL-04-0004	
DWG PRODUCED USING PCAD 2001	DRAWN BY Dee Stover	DATE 19JUN02	APPROVED BY	DATE	RELEASED	SHEET 1 OF 2	





BOTTOM ASSEMBLY

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		NAME ASSEMBLY DRAWING MONSOON IR ACQ MOTHER BOARD BOTTOM OR SECONDARY SIDE				USED ON MONSOON		REF A1	
NEXT ASSEMBLY MNSN-EL-10-0100		SCHEMATIC MNSN-EL-04-2004				DWG SIZE D		REV A1	
SCALE:	DESIGNED BY Starr/Stover	DATE 31MAY02	CHECKED BY	DATE	DWG NO MNSN-EL-04-0004				
DWG PRODUCED USING PCAD 2001	DRAWN BY Dee Stover	DATE 19JUN02	APPROVED BY	DATE	RELEASED	SHEET 2 OF 2			