



NATIONAL OPTICAL  
ASTRONOMY  
OBSERVATORY

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**MONSOON**  
**Card Assembly**  
**Clock & Bias UIUC**  
**SN007, SN008, SN012, SN013, SN015, SN016**

**Dwg No.: MNSN-EL-10-0300-007 Rev: -1**  
**Next Assembly: MNSN-EL-10-0008**

Revision Table

Assembly  
Clock Bias Board UIUC  
SN007, 008, 012, 013, 015, 016

DWG #: MNSN-EL-10-0300-007  
5/31/2006

LTR	DESCRIPTION	ECR	DATE	BY	APPRVD
--	INITIAL RELEASE		25-May-06	DMS	
-1	insert second bom line for other SN#'s line 6		31-May-06	dms	

NOTES

ASSEMBLY  
Clock Bias Board UIUC  
SN007, 008, 012, 013, 015, 016  
Master Control Board

DWG #: MNSN-EL-10-0300-007  
5/31/2006

1.

ASSEMBLY  
 Clock Bias Board UIUC  
 SN007, 008, 012, 013, 015, 016

Dwg #: MNSN-EL-10-0300-007  
 5/31/2006

ITEM	QTY	Part Number	MFR	Description	COMMENT
1	1	MNSN-AD-08-0003	NOAO	Board Description, Clock and Bias Board	
2	1	MNSN-EL-04-0008 REV -2	NOAO	Assembly PCB, Clock and Bias Board	
3	1	MNSN-EL-02-1301-*	NOAO	Detail Panel, Clock and Bias Board	Made from Item #?
4	1	MNSN-EL-04-2008-007	NOAO	Schematic, Clock and Bias UIUC Specific	
5	1	MNSN-EL-04-4008-001_r3	NOAO	BOM, Clock and Bias Board	SN007, 008
6	1	MNSN-EL-04-4008-001_r4	NOAO	BOM, Clock and Bias Board	SN012, 013, 015, 016
7	2	MNSN-EL-07-0301-*	NOAO	**ART, Clock and Bias Board	select file with appropriate serial :
8	1	MNSN-EL-08-0301-*	NOAO	**FUN, Clock and Bias Board	select file with appropriate serial :
9	1	20817-732	Schroff	Handle, IEL locking function bottom	
10	1	20817-734	Schroff	Handle, IEL locking function top	
11	1	30848-317	Schroff	Panel, 6U shielded Front Panel	
12	1	21100-146	Schroff	Screws, pcb to front panel	
13	1	21101-751	Schroff	PCB holder / spacer, center	
14	?	20817-501	Schroff	Keying plug board slot	
15	1	MNSN-AD-02-0005	NOAO	SDN, Board Keying Assignment	REFERENCE
16	1	cb_fpga_v42.mcs	NOAO	U200 Firmware CHKSUM: 0014faa0d	
17	1	cb_fpga_v42.bit	NOAO	U116 Firmware CHKSUM: 05020301	
18	1	cb_cfgcpld_v42.jed	NOAO	U119 Firmware CHKSUM: 0fcc	
19	1	cb_seqcpld_v401.jed	NOAO	U118 Firmware CHKSUM: 5ee9	

