

SERVO MOTOR CONNECTORS		
CTRL CONN	FUNCTION	DRAWING
J1	TV FILTER	EL-3050
J2	TV FOCUS	EL-3051
J3	SPARE	-
J4	SPARE	-
J5	CCD FOCUS	EL-3054
J6	CCD TRANSLATION	EL-3055
J7	SCIENCE FILTER WHEEL	EL-3056
J8	SPARE	-
J9	-	-
J11	SPARE	-
J12	GRATING TILT #3	EL-3062
J13	GRATING TILT #4	EL-3064
J14	GRATING SLIDE	EL-3066
J15	SLITMASK	EL-3067
J16	SPARE	-
J17	SPARE	-
J18	SPARE	-
J19	-	-

STAGE ENCODER CONNECTORS		
CTRL CONN	FUNCTION	DRAWING
J21		-
J22		-
J23		-
J24		-
J25		-
J26		-
J27		-
J28		-
J31	SPARE	-
J32	GRATING TILT #3	EL-3063
J33	GRATING TILT #4	EL-3065
J34		-
J35		-
J36		-
J37		-
J38		-

SOLENOID CONTROL CONNECTORS		
CONN	FUNCTION	DRAWING
J40	CALIBRATION LAMPS	EL-3011
J41	WHITE LED AC CONTROL	EL-3011
J42	SLITMASK SOLENOID & LIMITS	EL-3067
J43	GRATING CLAMP SOLENOIDS AND PRM	EL-3082
J44	GRATING CLAMP LIMITS	EL-3082
J45	GRATING CLAMP LIMITS	EL-3082
J46	-	-
J47	-	-

SLITMASK STAGE		
CONN	FUNCTION	SHEETS
JSLIT1	J49 - SLITMASK I/O	6, 7
JSLIT2	J42 - SOLENOID CONTROL	5, 7
JSLIT3	BIMBA AND FOOT RETRACTED LIMITS	5, 6, 7
JSLIT4	SLITMASK MISALIGNED & DOOR SIGNALS	
JSLIT5	SLOTTED SWITCHES, MISALIGNED 1 & 2, END OF TRAVEL, MASKS MISALIGNED	4, 6, 7, 9
JSLIT6	TO INSERTION SOLENOID	5, 7
JSLIT7	MASKS MISALIGNED	4, 6, 7

MISCELLANEOUS CONNECTORS		
CONN	FUNCTION	DRAWING
J48	DEWAR ION PUMP	EL-3014
J49	SLIT MASK ENVIRONMENT SENSORS	EL-3067
J50	OVER TEMPERATURE SHUT DOWN	EL-3003
J51	AIR PRESSURE & COOLANT FLOW	EL-3005
J52	LAMPS	EL-3011
J53	CRADLE MISC. INTERLOCK	EL-3120
J54	GALIL #1 MISC. INTERLOCK	EL-3120
J55	VESSEL ION PUMP	EL-3014
J56	SLITMASK PUSH BUTTON STATION	EL-3072
J57	GRATING PUSH BUTTON STATION	EL-3071
J58	FILTER WHEEL PUSH BUTTON STATION	EL-3073
J59	-	-
J60	GRATING CLAMP PIN	EL-3082

GRATING STAGE			
CONN	FUNCTION	EL-3066	EL-3082
JG2	CLAMP/MOTOR INTERLOCK	2	3
JG3	TO PRIMARY LIMITS	3	-
JG4	TO FIDUCIAL	3	4
JG5	TO PRIMARY REFERENCE MARK SWITCH	3	4
JG6	PRIMARY LIMITS AND FIDUCIAL FROM STAGE INTERCONNECT	1, 3	-
JG7	PRM ENABLE FROM OPTO-22 PANEL 4	3	2
JG43	CLAMP SOLENOID & ENTRANCE HATCH SOLENOID	-	2
JG44	CLAMP AND ENTRANCE HATCH LIMIT SIGNALS TO GALIL	-	2, 3, 4
JG45	CLAMP AND ENTRANCE HATCH LIMIT SIGNALS TO STAGE	-	2, 3
JG46	PRM DRIVE TO PRM INTERFACE BOX	3, 4	4

GALIL I/O EXPANSION		
CONN	FUNCTION	DRAWING
J101	OPTO-22 PANEL #1	EL-3034
J102	OPTO-22 PANEL #2	EL-3035
J103	OPTO-22 PANEL #3	EL-3036
J101	OPTO-22 PANEL #4	EL-3037
J102	OPTO-22 PANEL #5	EL-3038
J103	OPTO-22 PANEL #6	EL-3039

AC OUTLETS		
CONN	FUNCTION	DRAWING
AC1	FANS	EL-3004
AC2	TV CONTROLLER	EL-3012
AC3	SCSI CONVERTER	EL-3012
AC4	A2I CONVERTER	EL-3012
AC5	CALIB. LAMP LOCKOUT	EL-3011
-	-	-

UNIVERSITY OF CALIFORNIA  
LICK OBSERVATORY

CONNECTOR ASSIGNMENTS 1  
DEIMOS SPECTROGRAPH

REVISION

09-13-01 MOVE POWER CONN TABLE TO SHEET 2  
 11-19-01 ADDED AC5 FOR CALIBRATION LAMP LOCKOUT  
 02-25-02 ADDED J60 - GRATING CLAMP PIN  
 02-26-02 REMOVED REFERENCES TO TILT #5  
 06-14-02 ADDED SCIENCE FILTER WHEEL TO J7, REMOVED UNIMPLEMENTED FUNCTIONS:  
 MANUAL PADDLES J9 AND J19 AND TV FILTER HATCH J59  
 06-18-02 CLEANED UP TABLE LAYOUT

DES'N BY: T. Ricketts

ORIGIN DATE: 05-31-95

DWG. NO.

NUM. 1 OF 2

DRAWN BY:

MODIFY DATE: 06-18-02

PATH: DEIMOS\CONASGN

REV. A

EL-3032

**LAMP STAGE CONNECTORS**

CONN	FUNCTION	LOCATION	DRAWING	SHEET
J52	MAIN CABLE	GALIL PANEL 1	EL-3011	1, 2, 5
J40	MAIN CABLE	LAMP LANEL	EL-3011	1, 2, 5
J41	WHITE LED	GALIL PANEL 1	EL-3011	2
JLAMP1	AC POWER INPUT	INTERLOCK BOX	EL-3011	3
JLAMP2	DC POWER, INTERLOCK SIGNAL	INTERLOCK BOX	EL-3011	3
JLAMP3	AC TO OPTO-22 PANEL 1	INTERLOCK BOX	EL-3011	3
JLAMP4	CABLE TO FRONT END OF INST.	INTERLOCK BOX	EL-3011	3
JLAMP5	CABLE FROM INTERLOCK BOX	INTERLOCK J-BOX	EL-3011	3
JLAMP6	BYPASS SWITCH WIRING	INTERLOCK J-BOX	EL-3011	3
JLAMP7	INTERLOCK SWITCH WIRING	INTERLOCK J-BOX	EL-3011	3
JLAMP8	INTERLOCK SWITCH WIRING	INTERLOCK J-BOX	EL-3011	3
JLAMP15	WHITE LED	LAMP PANEL	EL-3011	2

**ORANGE CIRCUIT POWER CONNECTORS**

CONN	FUNCTION	DRAWING	SHEET
JPOR1	INPUT POWER	EL-3003	1
JPOR2	DISTRIBUTION POWER	EL-3003	1
JPOR3	THERMOSTAT/CPU CUTOFF	EL-3003	1
JPOR4	SONALERT OUTPUT	EL-3003	1

**BLUE CIRCUIT POWER CONNECTORS**

CONN	FUNCTION	DRAWING	SHEET
JPBL1	INPUT POWER	EL-3003	2
JPBL2	DISTRIBUTION POWER	EL-3003	2
JPBL3	THERMOSTAT/CPU CUTOFF	EL-3003	2
JPBL4	SONALERT OUTPUT	EL-3003	2

**REVISION**

08-21-01 ADDED THIS SHEET  
 09-13-01 MOVED POWER CONN. TABLE TO THIS SHEET AND BROKE INTO ORANGE  
 AND BLUE TABLES  
 06-18-02 REMOVED JLAMP9, JLAMP10, AND JLAMP11

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**CONNECTOR ASSIGNMENTS 1  
 DEIMOS SPECTROGRAPH**

DES'N BY: **T. Ricketts**

ORIGIN DATE: **05-31-95**

DWG. NO.

NUM. 2 OF 2

DRAWN BY:

MODIFY DATE: **06-18-02**

PATH: **DEIMOS\CONASGN**

REV. **A**

**EL-3032**