

Rev	Description	Date	None
1	Initial Release		Dunham
2	Correct connector labels and +24VDC fuse in motor driver boxes		Dunham
3	Allow CCD67 dewar wiring & correct ground lug		Dunham
4	Ground lug correction		Dunham

4/11/13

1/4-28 ground point per TA_SI_01. Single ground point for both blue and red side electronics. See HI-M01-27.

Connector Naming Convention

- * First character:
 - J for jack, P for plug
- * Second character:
 - R for Red, B for Blue, - for Pl rack
- * Third character:
 - A - AC power
 - D - DC power
 - a - analog, low-level
 - d - digital (TTL)
 - f - fiber optic; all are ST
 - m - misc. (mixed, and motor & shutter drive signals)
 - n - network (RJ45/Cat5)
 - s - serial (RS485 or RS232)
 - Two digits of serial number
 - Trailing letter in case of options

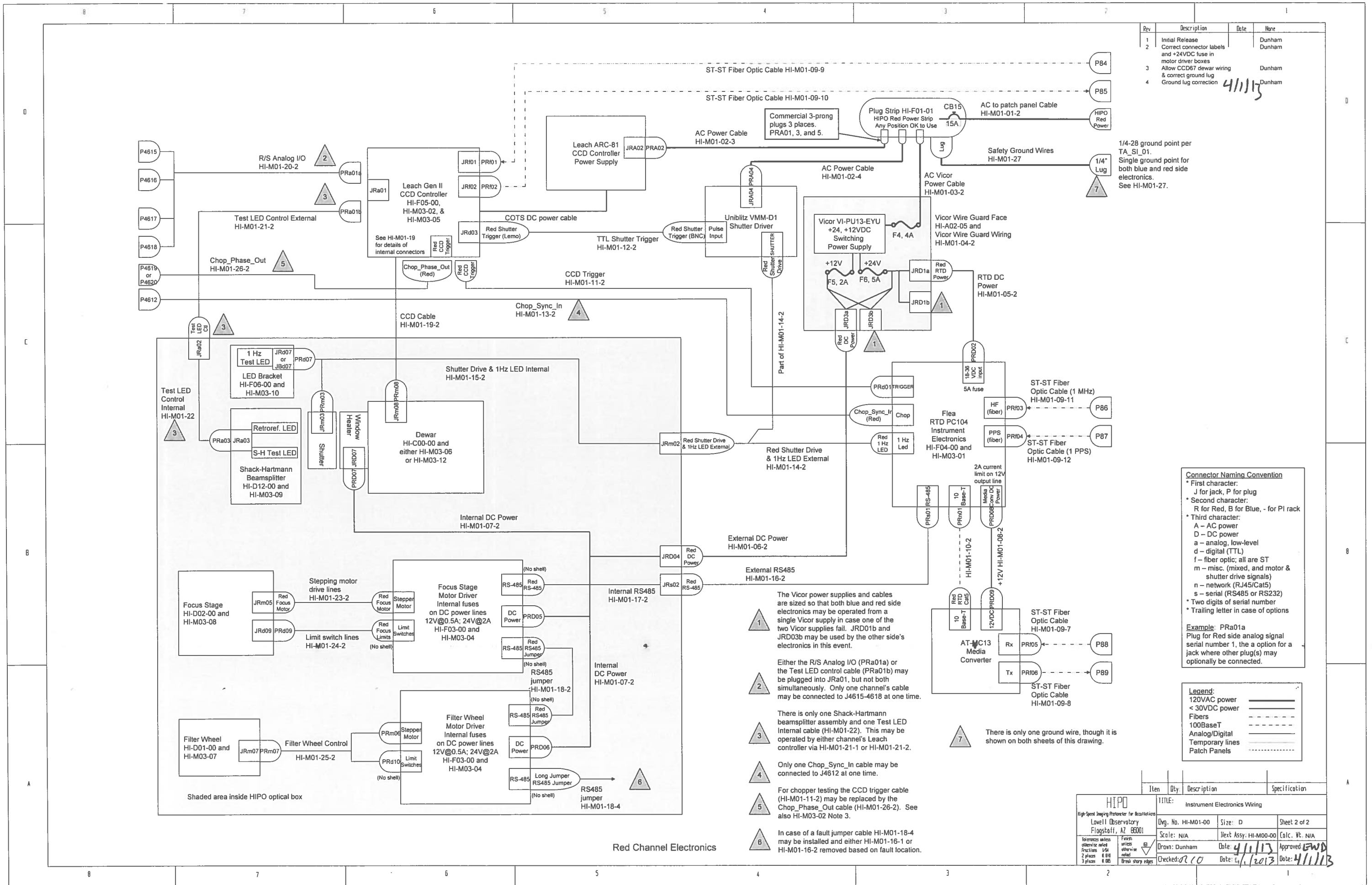
Example: PRa01a
Plug for Red side analog signal serial number 1, the a option for a jack where other plug(s) may optionally be connected.

Legend:

- 120VAC power
- < 30VDC power
- Fibers
- 100BaseT
- Analog/Digital
- Temporary lines
- Patch Panels

- The Vicor power supplies and cables are sized so that both blue and red side electronics may be operated from a single Vicor supply in case one of the two Vicor supplies fail. JBD01b and JBD03b may be used by the other side's electronics in this event.
- Either the R/S Analog I/O (PBA01a) or the Test LED control cable (PBA01b) may be plugged into JBA01, but not both simultaneously. Only one channel's cable may be connected to J4615-4618 at one time.
- There is only one Shack-Hartmann beamsplitter assembly and one Test LED Internal cable (HI-M01-22). This may be operated by either channel's Leach controller via HI-M01-21-1 or HI-M01-21-2.
- Only one Chop_Sync_In cable may be connected to J4612 at one time.
- For chopper testing the CCD trigger cable (HI-M01-11-1) may be replaced by the Chop_Phase_Out cable (HI-M01-26-1). See also HI-M03-02 Note 3.
- In case of a fault jumper cable HI-M01-18-4 may be installed and either HI-M01-16-1 or HI-M01-16-2 removed based on fault location.
- There is only one ground wire, though it is shown on both sheets of this drawing.

Item	Qty	Description	Specification
HIPO High Speed Imaging Photometer for Microlensing Lowell Observatory Flagstaff, AZ 86001			
TITLE: Instrument Electronics Wiring			
Dwg. No. HI-M01-00	Size: D	Sheet 1 of 2	
Scale: N/A	Next Assy: HI-M00-00	Calc. Vt. N/A	
Drawn: Dunham	Date: 4/11/13	Approved: EWN	
Checked: RCO	Date: 4/11/2013	Date: 4/11/13	



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HIPO High-Speed Imaging Photometer for Observations Lowell Observatory Flagstaff, AZ 86001			
TITLE: Instrument Electronics Wiring			
Orig. No. HI-M01-00	Size: D	Sheet 2 of 2	
Scale: N/A	Next Assy: HI-M00-00	Calc. Vt. N/A	
Drawn: Dunham	Date: 4/1/13	Approved: GWD	
Checked: JCO	Date: 4/1/2013	Date: 4/1/13	