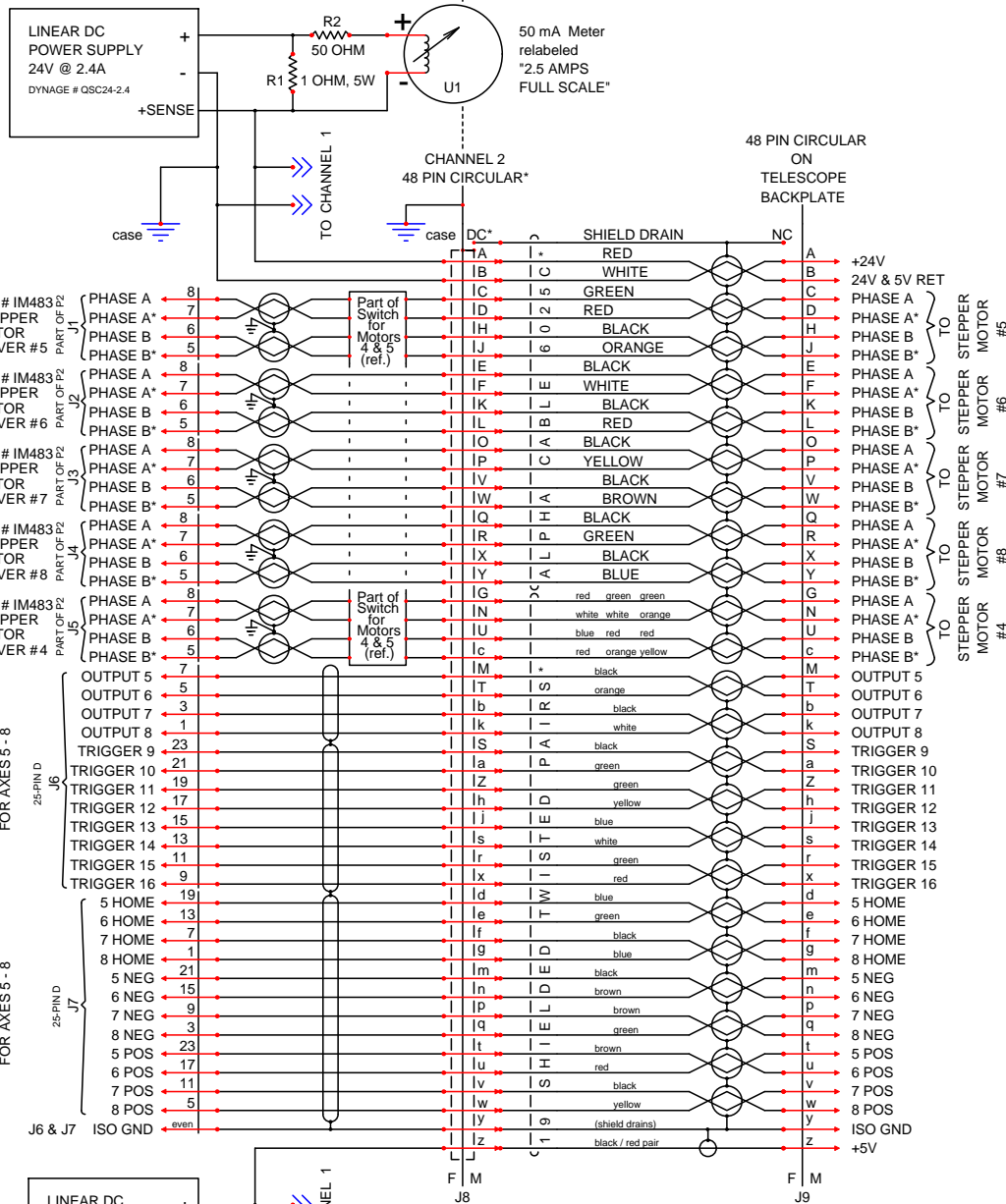


**COMPUMOTOR 6K8 MOTION CONTROLLER**

ONBOARD PROGRAMMABLE  
INPUTS AND OUTPUTS  
FOR AXES 5 - 8

LIMIT INPUTS  
FOR AXES 5 - 8



**48-PIN CIRCULAR CANNON CONNECTORS**

- J8F\*: CA3102E36-10SWB (bulkhead)
- J8M\*: CA3106E36-10PWB (receptacle)
- J9F\*: CA3102E36-10SB (bulkhead)
- J9M\*: CA3106E36-10PB (receptacle)

**NOTES ON CHANNEL #2 EXTENSION CABLE**  
 ALPHA CABLE 6025C\*: 9 twisted, individually-shielded pairs, using 18 AWG wire.  
 19 SHIELDED TWISTED PAIRS\*: A cable of unknown manufacture made of 22 AWG wire. The 19 pairs are individually shielded.  
 CHANNEL 2 48 PIN CIRCULAR\*: Connector body shown in order to illustrate a means of connecting cable shields to case ground.  
 DC\*: Motor cable shields (at solder lug) DisConnected from case ground (at connector body) in order to eliminate unrequested, erratic stepper motor motion. Thus, shields for motor and 24 V cabling float as shown.  
 red green green\*: One wire from each of three pairs are connected in parallel (not shown) in order to satisfy IM483 requirement for motor cables (18 AWG, max.). Shields for these pairs are connected to other motor cable shields as shown.  
 black / red pair\*: Connect both wires in parallel (not shown) in order to reduce voltage drop in this cable when supplying current at (what should be) 5 V.

Wyoming Infrared Observatory			
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