



NOTE: RGND (relay ground) carries higher currents. DGND is low current and is tied to the drives. DGND and RGND should only be tied together at this point. RGND should NOT be daisy chained with other RGNDs. It should be "starred".

NOTE: +24V\_SBOOK (Safety Board OK) is used to kill the +24V to all relay related signals in the event of a Safety Board error that requires applying the dome brakes. This is for safety reasons.

NOTE: DC60S7 SSR is 3.5-32V input and has 1500 ohm input impedance. 24V/1500 = 16mA.

NOTE: Safety Board has TLP281-4 optocoupler output. In addition, the diode side is in series for feedback. "Dome\_Amp\_En\_N" can be thought of as Relay+. Dome\_Amp\_Rtn is Relay-.