JP1 – JP4 can be inserted or disconnected (clipped) to provide power grid connection or isolation as necessary.

Visible LEDs, D0 – D7:
- 82 ohm (typical) for blue, white, 525 nm green LEDs
- 200 ohm (typical) for red, orange, yellow, 570 nm green LEDs

Infrared LEDs, IRD0 – IRD7:

NOTE: PORTC load resistor choice assumes that only one IR LED will be driven at a time.

Required Power Supply:
- 5 V REGULATED, > 200 mA, center positive
- 4 A MAXIMUM PASSTHROUGH CURRENT

Standard Jack J5: 2.5 x 5.5 mm, 4 A minimum rating
Alternate input: Screw terminal J7, 3.5 mm euro terminal

JP5 can be used to hardware "always on", if power slide switch is not installed.