





Resistors
Only 1 1/4W resistor is installed by default. This assumes the user will be outputting 30mA of current to a white LED $v_f = 3\text{ V}$
 $R = (3.3 - 3) / .030 = 10\text{ ohms}$. Note that the transistor has 10ohm internal drop, so only 10ohms is needed for the 30mA.

100mA Equivalent Resistance = 30ohms
 $R4 = 4.2\text{ ohms}$
 $4.2 || 10 = 3\text{ ohms}$

External Input Power - MOSFET
will only work correctly with 3V3.
Header for high Current Applications. If using External Power Cut trace on JP3

Logo1
Valent Logo 500

Logo2
Valent Logo 750