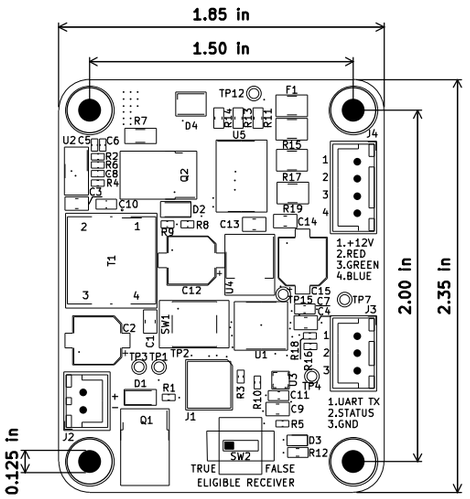
Electrical Connector Details

Power Connector – J2
Mating Connector Housing: XHP-2
Mating Connector Pins: (see below)
- Pin 1 – GND
- Pin 2 – V+ (10V to 30V)

Status Connector – J3 (Optional)
Mating Connector Housing: XHP-3
Mating Connector Pins: (see below)
- Pin 1 – UART TX (115200 bps, 8N1, 3.3V Logic Output)
- Pin 2 – STATUS (3.3V Logic Output)
- Pin 3 – GND

LED Connector – J4
(Common Anode RGB LED)
Mating Connector Housing: XHP-4
Mating Connector Pins: (see below)
- Pin 1 – +12V
- Pin 2 – RED
- Pin 3 – GREEN
- Pin 4 – BLUE

All connector housings in this design
use the same style of crimp terminals.
An exammple part number for 22-26 AWG wire is below.
Mating crimp terminals: SXH-001T-P0.6N (example)
The recommended path is to used precrimped jumpers
for high-quality connections suchs as ASXHSXH22K305.
Alternatively, complete cables can be purchased as assemblies
from places like Amazon. <https://a.co/d/1146hP2>



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