

A

A

B

B

C

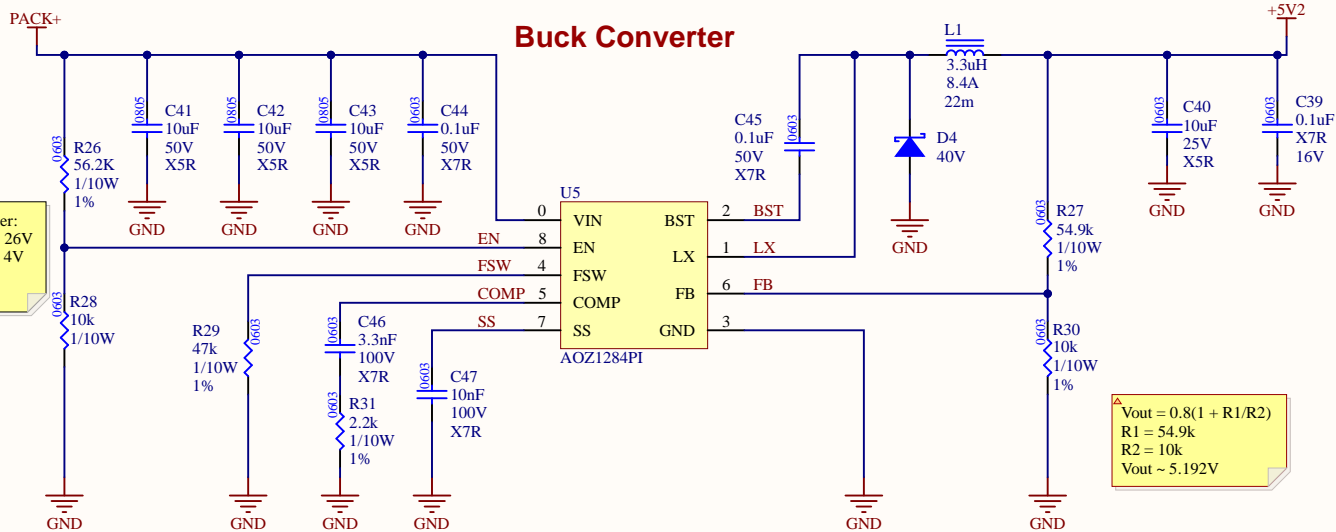
C

D

D

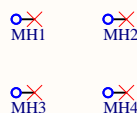
Voltage Divider:
Vin = ~ 20V - 26V
Vout = ~ 3V - 4V
R1 = 56.2k
R2 = 10k

Buck Converter



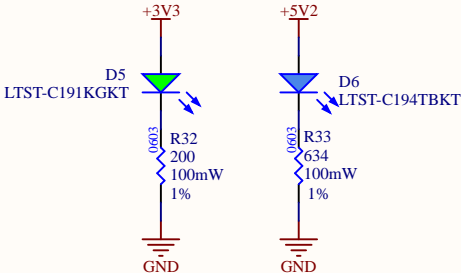
$V_{out} = 0.8(1 + R1/R2)$
R1 = 54.9k
R2 = 10k
Vout ~ 5.192V

Mounting Holes

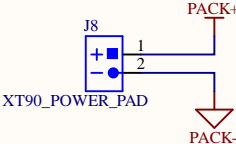
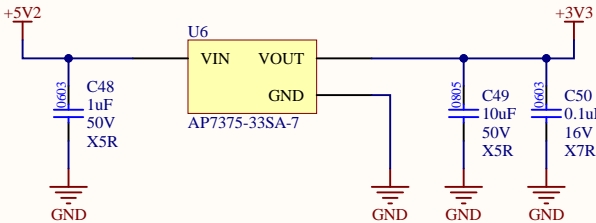


30.5mm x 30.5mm
pattern

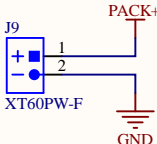
Output LEDs




LDO

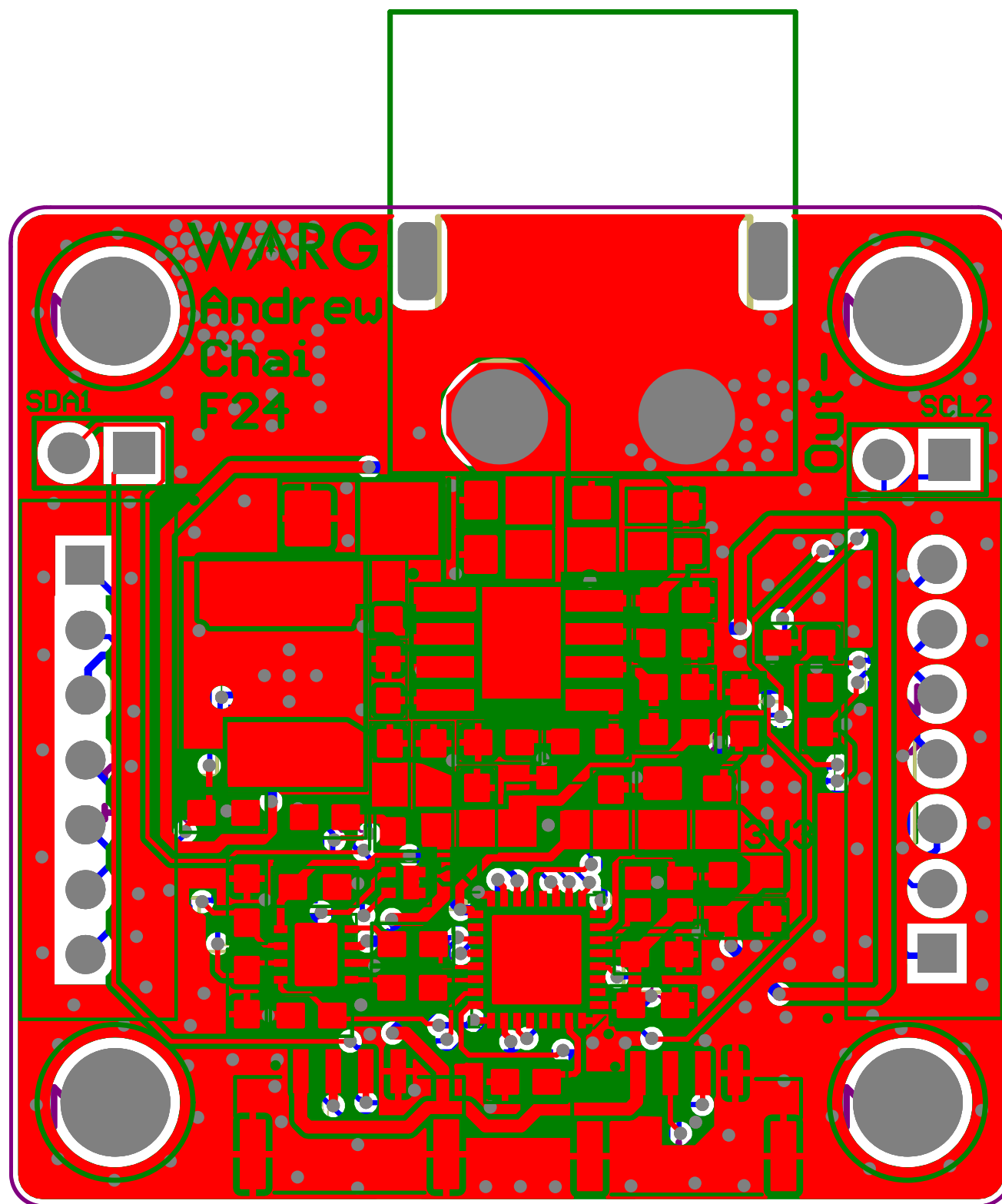


Input Conn



Output Conn

<div><div>WARG</div><div>Waterloo Aerial Robotics Group 200 University Ave W Waterloo, Ontario, Canada N2L 3G1</div></div>		<div></div>
PROJECT 6s Power Module.PrjPcb, [No Variations]		REVISION *
DOCUMENT Power.SchDoc		MODIFIED 2024-08-25
ENGINEER Andrew Chai	REVIEWER *	SHEET * OF *



Board Stack Report