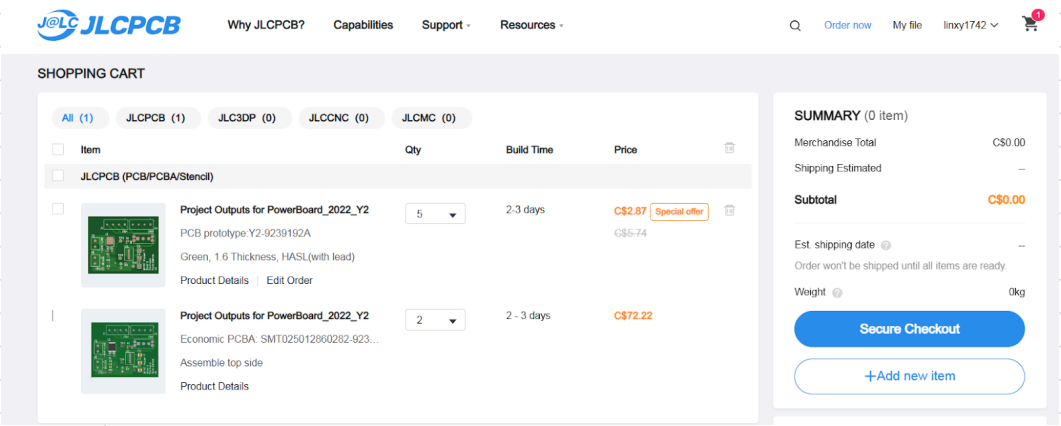
Power Board Requirements - 2025					
Component	Voltage (V)	Current (A)	Trace Width (mils)	Capacity	Note
LiPo battery	7.4	>10.0	270.0	5000mAh	I can't find the C rating, so I don't know the max current, but we can safely assume usually that is >50A
STM32	5.0	<1.0	30.0		
Servo	4.8 to 7.2	0.5 to 0.9	30.0		
Motor	7.4	4.0	210.0		

Changes to 2022 PDB Design		
Component	Old	New
Connectors	3.3V and 4 5V	4*5V
motor	7.4V	7.4V
battery	7.4V	7.4V
power status	no show	led
Switch	n/a	toggle switch
IC/component	n/a	n/a

Clearance requirement	
Height	6cm
Width	6cm
Length	4.85cm

Board Quotation not including switch, U2, and J2&5 cuz no stock, but manageable since they are all through hole assembly