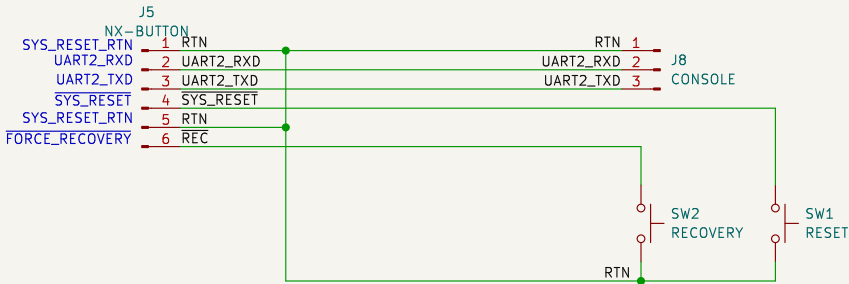
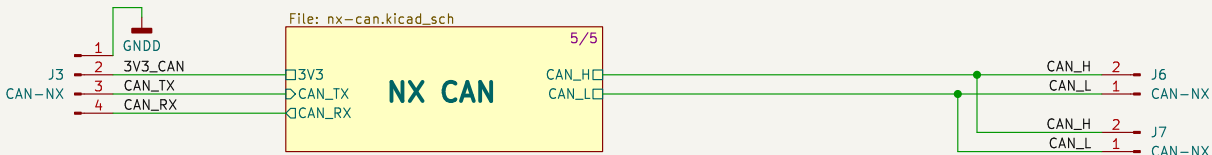
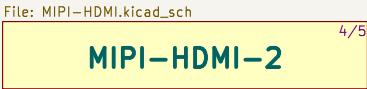
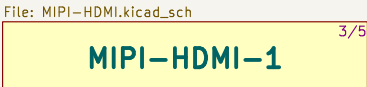
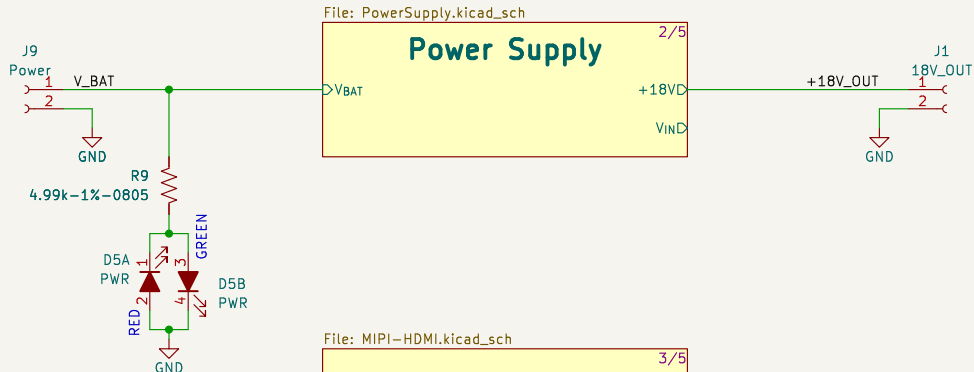


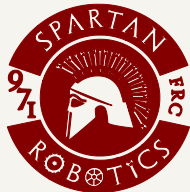
POWER LED	
V <sub>BAT</sub>	COLOR
OK	GREEN
REVERSE	RED



Spacer - OD: 4mm  
Screw - M2 - 1.9mm OD

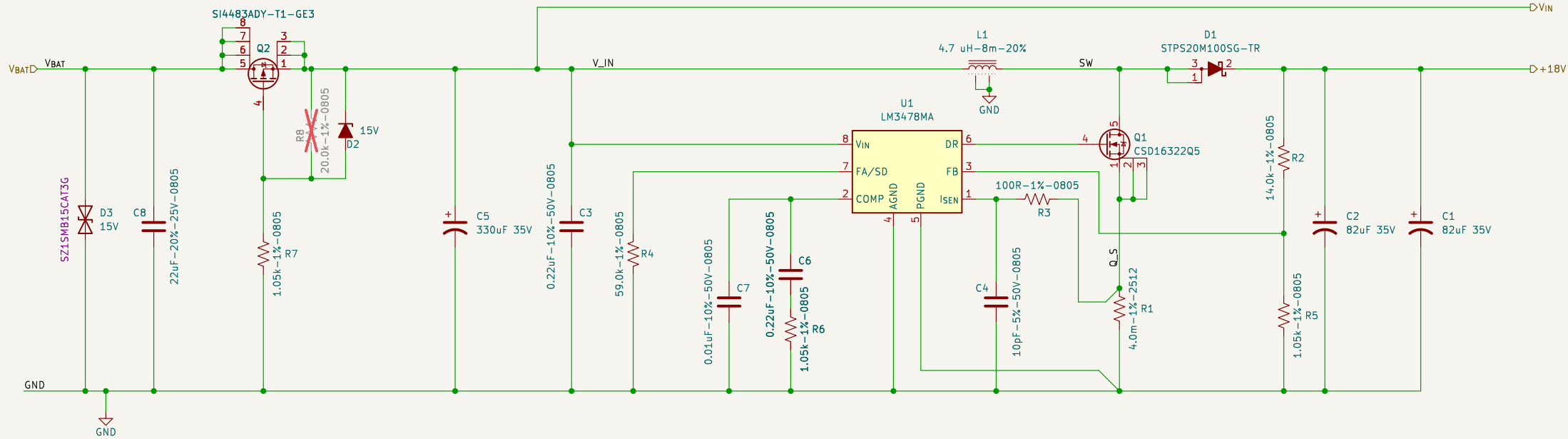
- ➔ FFC 6" 36 conductor 0.5mm Cable FFC: 36 pin
- ➔ FFC Molex R/A Bottom connector
- ➔ Seeed Studio J401 Carrier Board
- ➔ Seeed Studio J401 Carrier Board Schematic
- ➔ Seeed Studio J401 Carrier Board Datasheet
- ➔ J401 Measurements

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole



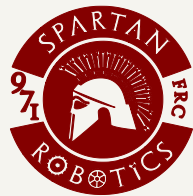
## 971 Spartan Robotics

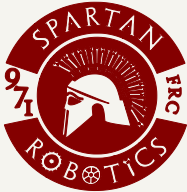
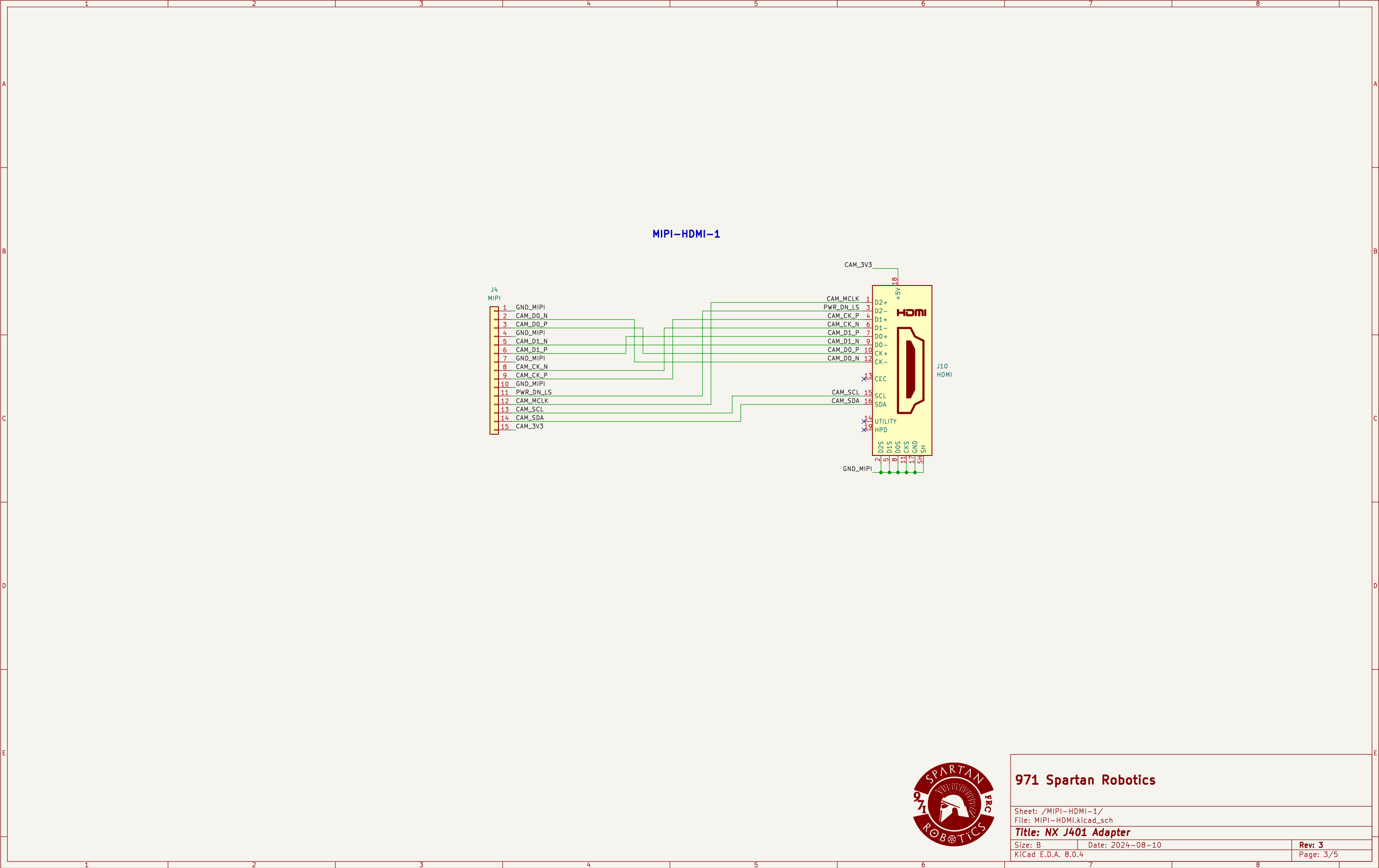
Sheet: /		
File: NX-J401-Adapter.kicad_sch		
Title: <b>NX J401 Adapter</b>		
Size: B	Date: 2024-08-10	Rev: <b>3</b>
KiCad E.D.A. 8.0.4		Page: 1/5



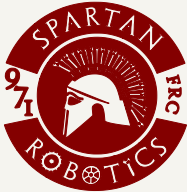
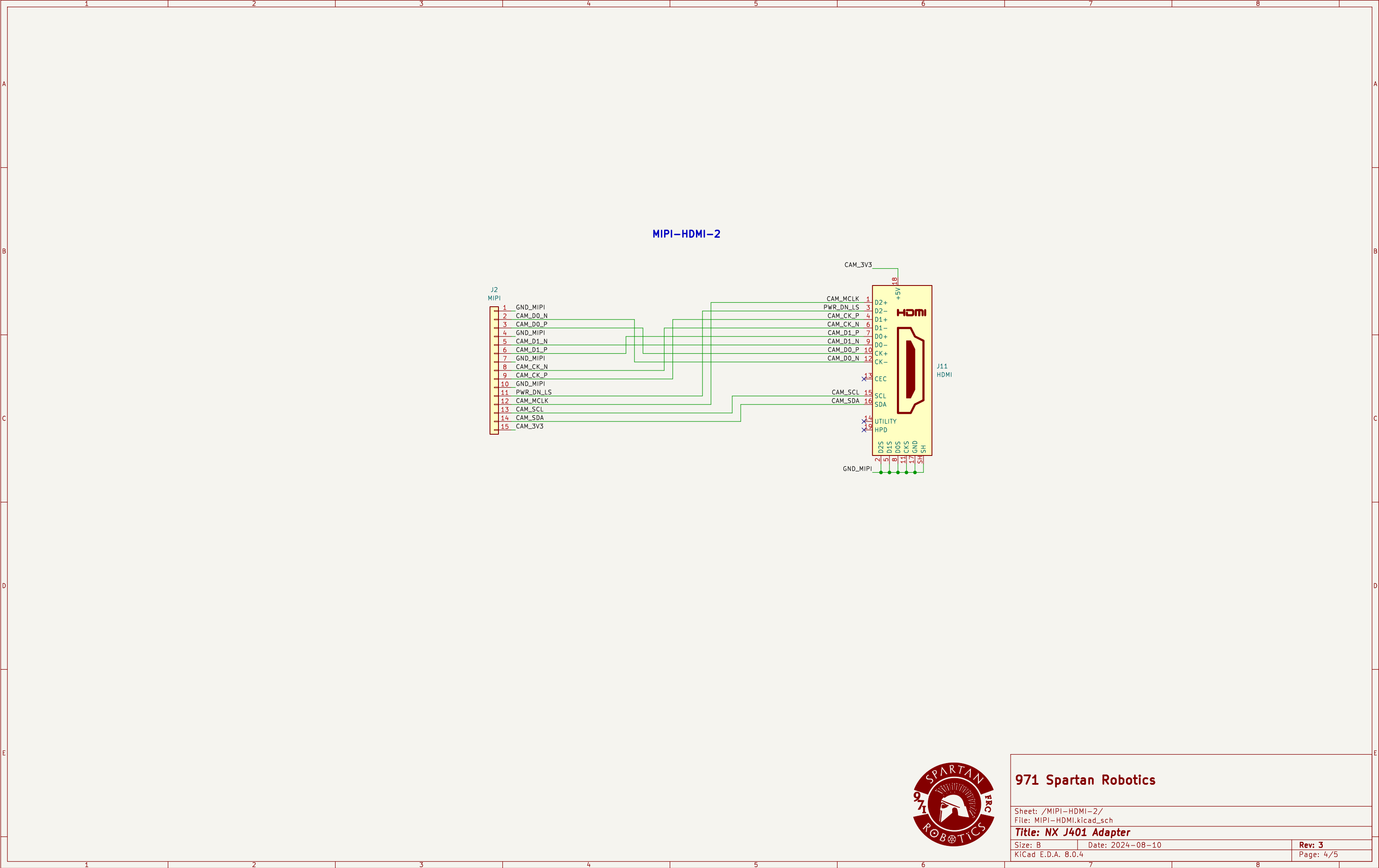
	MIN	NOM	MAX	UNITS
Vbat	5	18		V
Input Current	12	3		A
Vout		18		V
Output Current		3		A
Eff @10V		95.5		%
Eff @5V		92		%

→ Analysis/WBDesign84-LM3478-18V-3A-boost.pdf



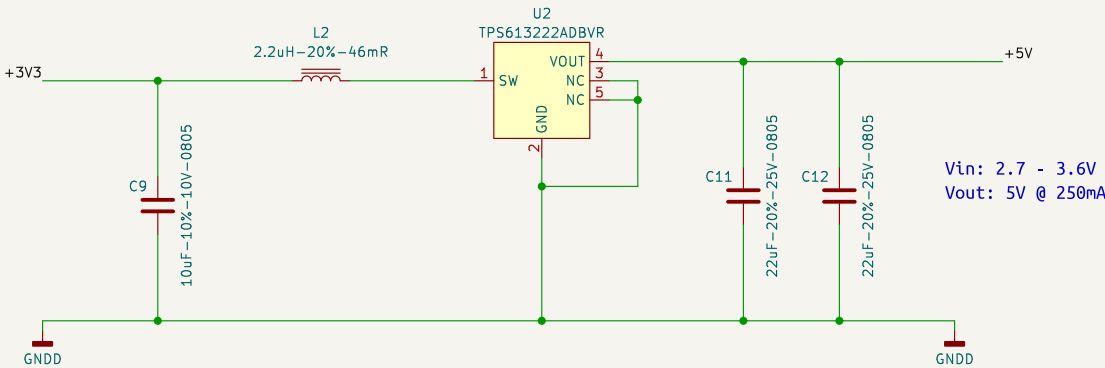
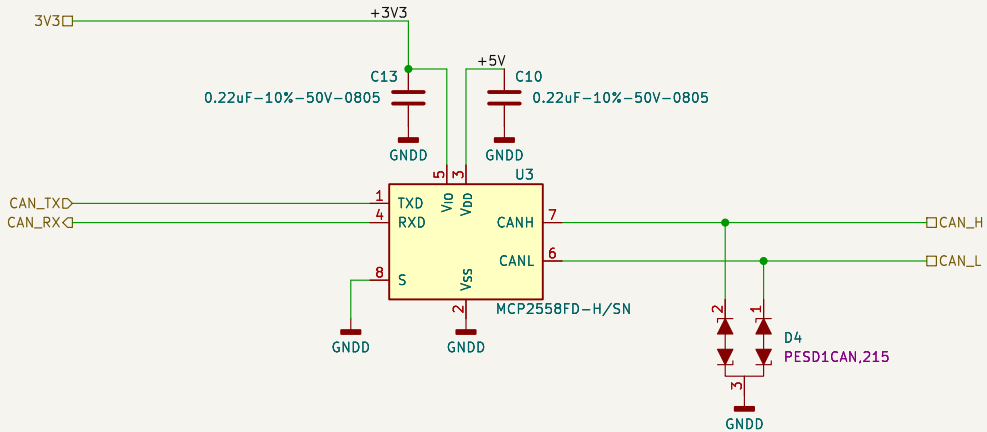


971 Spartan Robotics		
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Title: NX J401 Adapter		
Size: B	Date: 2024-08-10	Rev: 3
KiCad E.D.A. 8.0.4		Page: 3/5

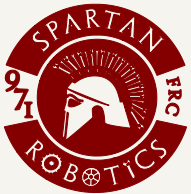


## 971 Spartan Robotics

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Size: B	Date: 2024-08-10	Rev: 3
KiCad E.D.A. 8.0.4		Page: 4/5



→ Analysis/WBDesign78-TPS613222-3Vin-5Vout-0.25A.pdf



## 971 Spartan Robotics

Sheet: /NX CAN/  
File: nx-can.kicad\_sch

**Title: NX J401 Adapter**

Size: B

Date: 2024-08-10

Rev: 3

KiCad E.D.A. 8.0.4

Page: 5/5