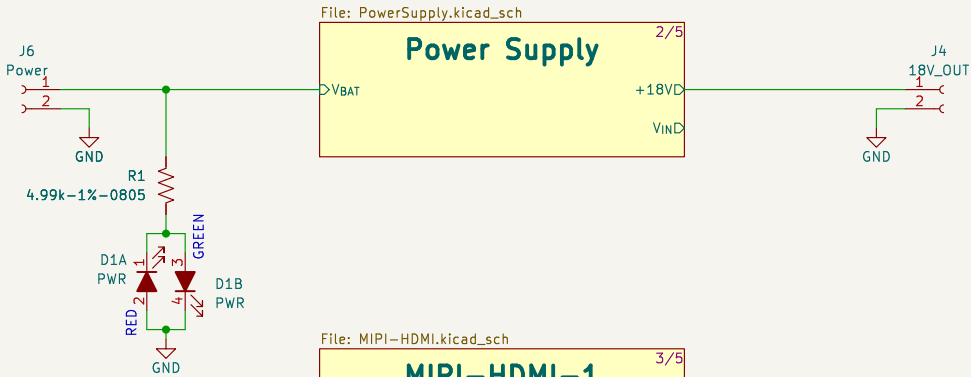
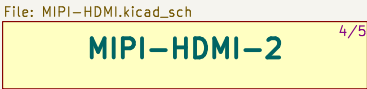
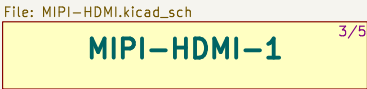


POWER LED	
V <sub>BAT</sub>	COLOR
OK	GREEN
REVERSE	RED

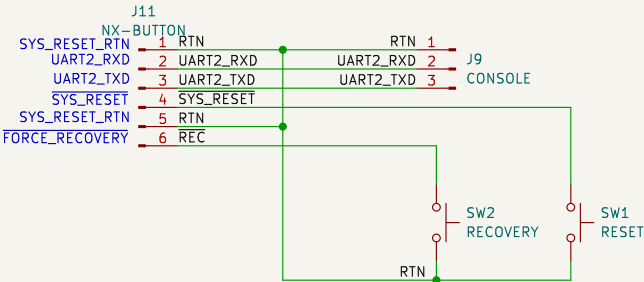
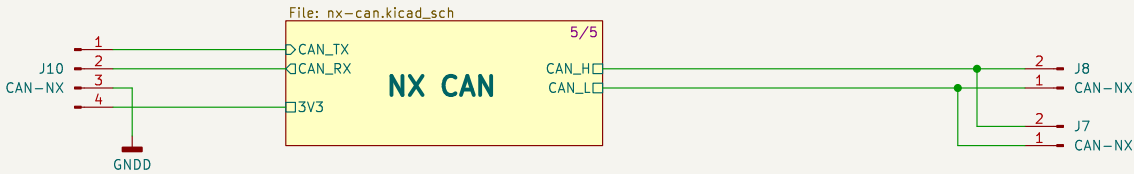


Spacer - OD: 4mm  
Screw - M2 - 1.9mm OD

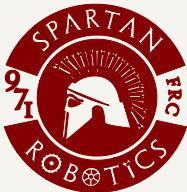


- ➔ FFC 6" 36 conductor 0.5mm Cable FFC: 36 pin
- ➔ FFC Molex R/A Bottom connector
- ➔ Seeed Studio J401 Carrier Board
- ➔ Seeed Studio J401 Carrier Board Schematic
- ➔ Seeed Studio J401 Carrier Board Datasheet

- ➔ J401 Measurements

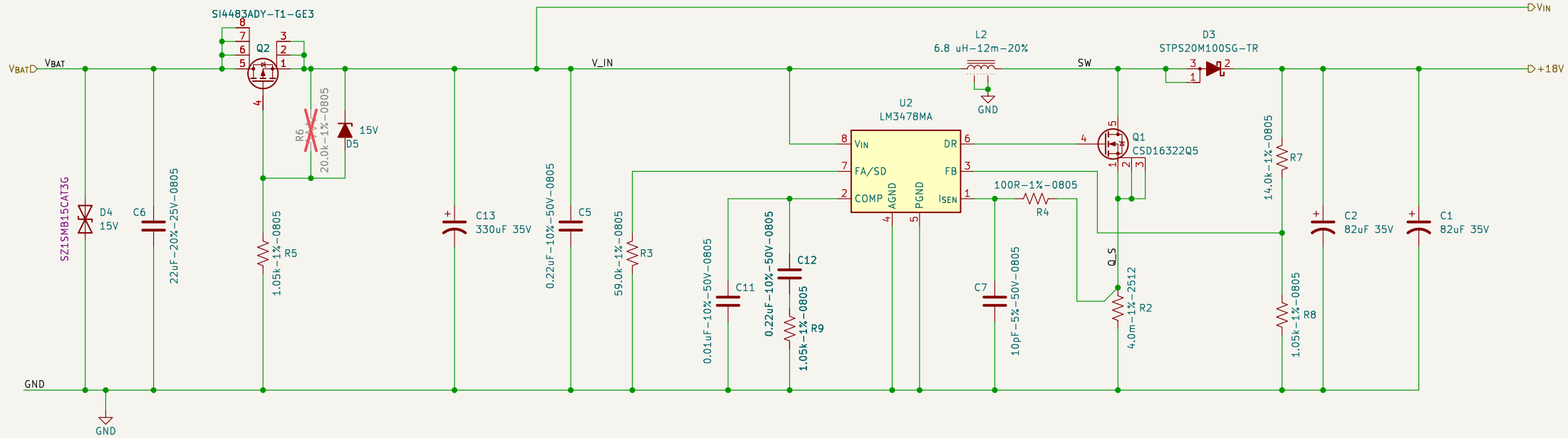


- H1 MountingHole
- H3 MountingHole
- H4 MountingHole
- H2 MountingHole



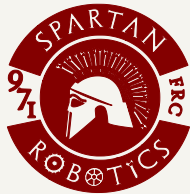
## 971 Spartan Robotics

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Title: NX J401 Adapter		
Size: B	Date: 2023-06-04	Rev: 1
KiCad E.D.A. 8.0.4		Page: 1/5



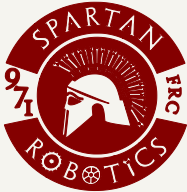
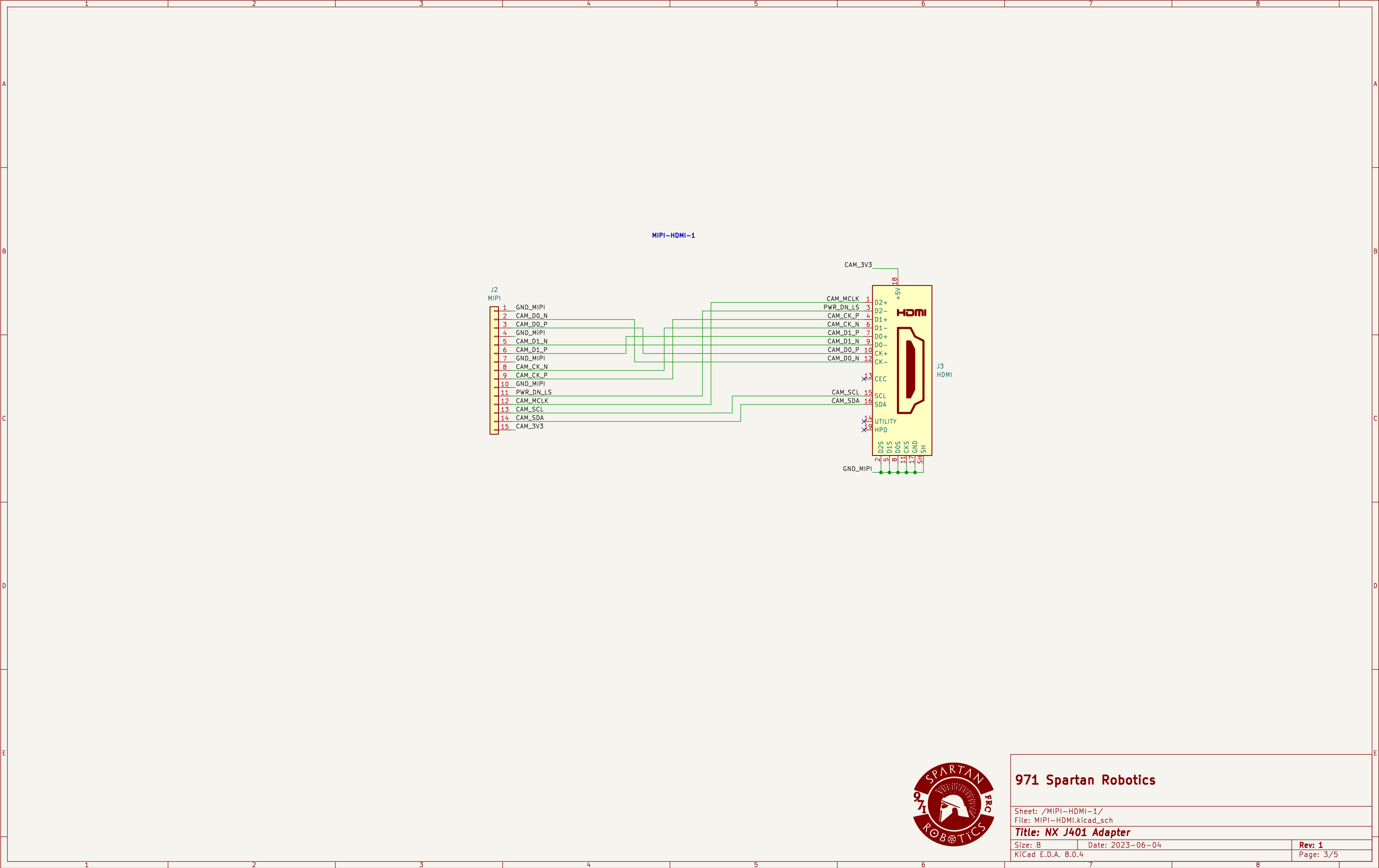
	MIN	NOM	MAX	UNITS
Vbat	5	18		V
Input Current	12	3		A
Vout		18		V
Output Current		3		A
Eff @10V		96		%
Eff @5V		93		%

→ Analysis/WBDesign74-LM3478-18V-3A-boost.pdf



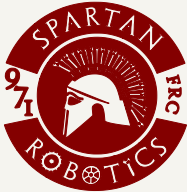
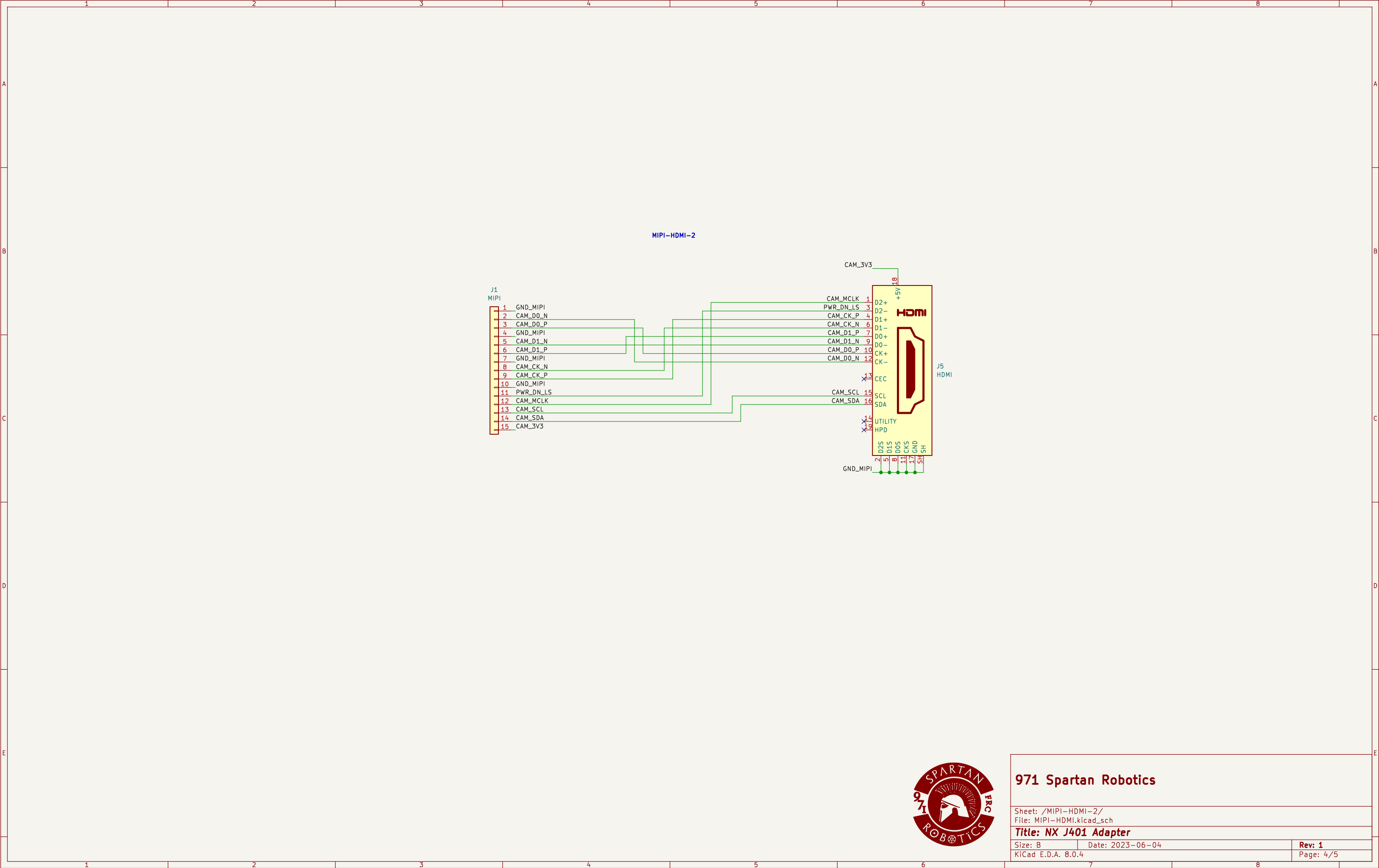
971 Spartan Robotics

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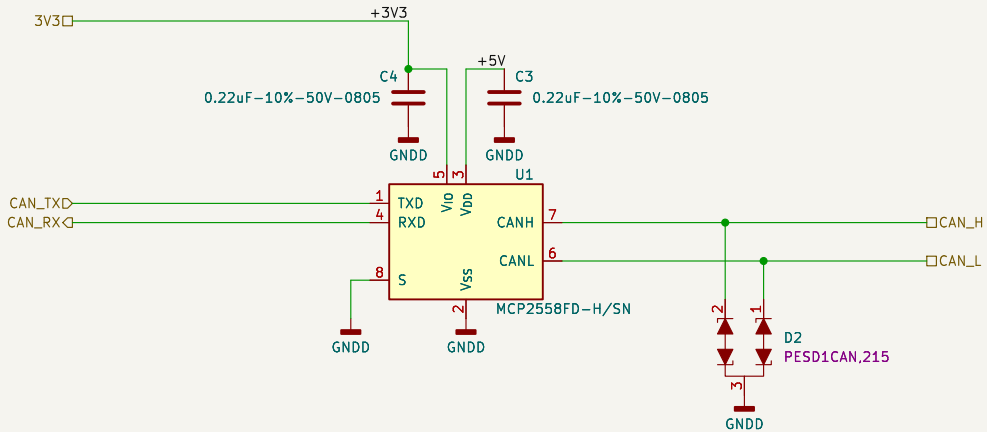
## 971 Spartan Robotics

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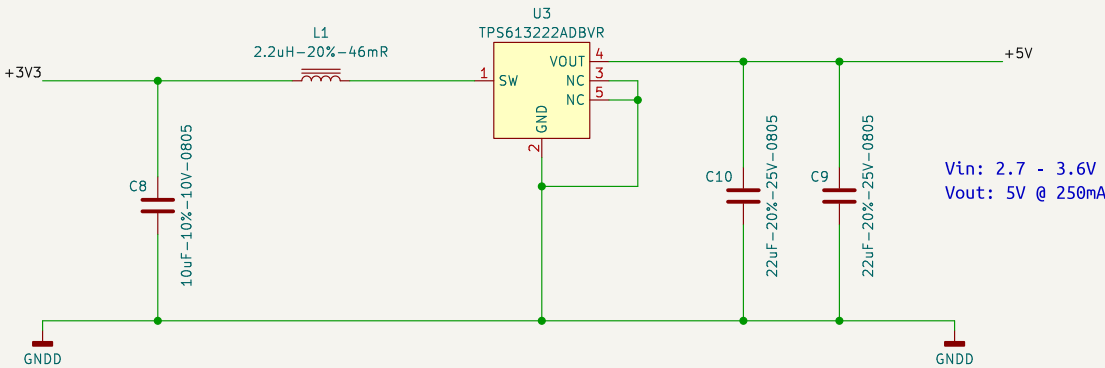


## 971 Spartan Robotics

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KiCad E.D.A. 8.0.4		Page: 4/5



→ Boost Regulator Design Notes



971 Spartan Robotics

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Size: B	Date:	Rev: 1
KiCad E.D.A. 8.0.4		Page: 5/5