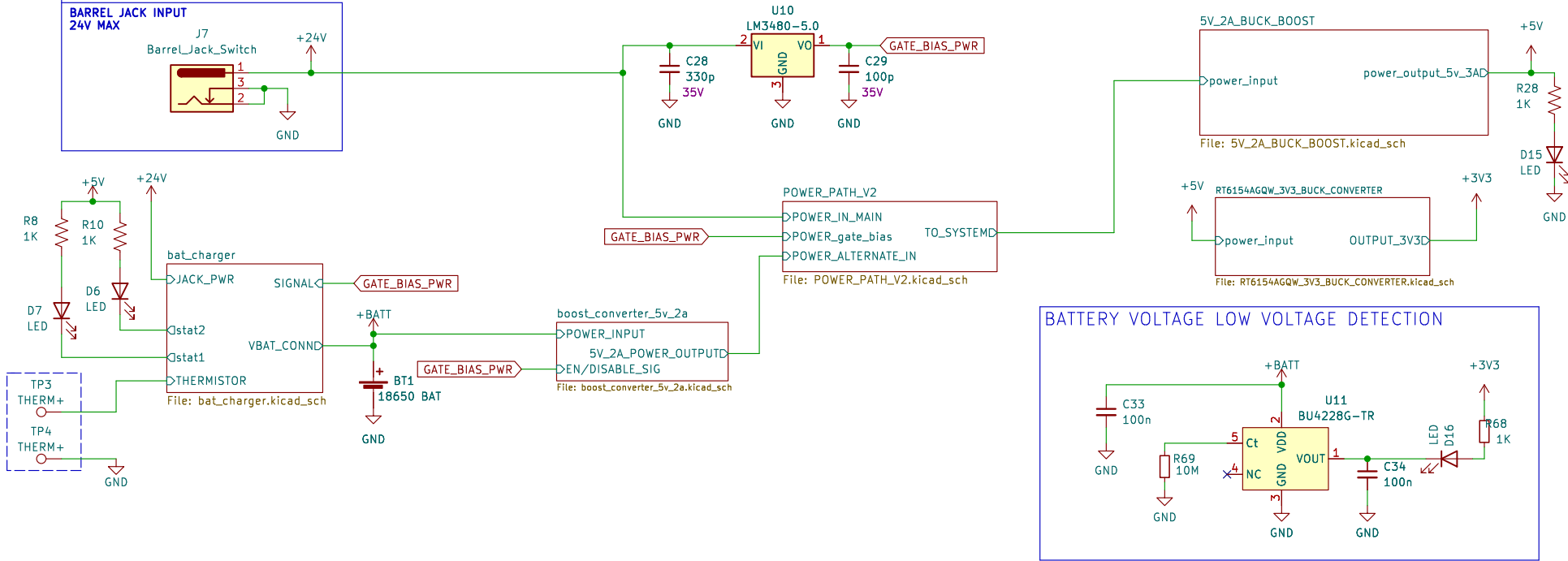
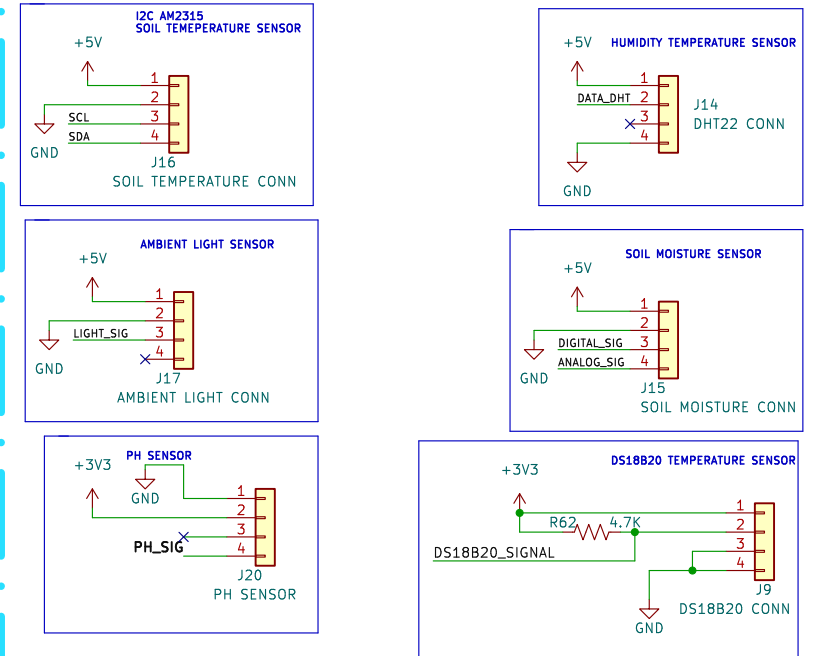


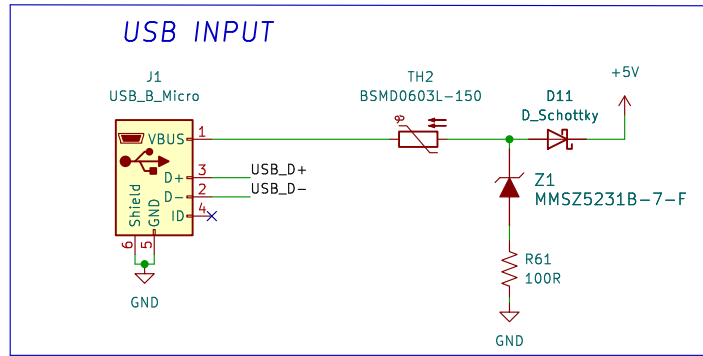
## POWER SECTION



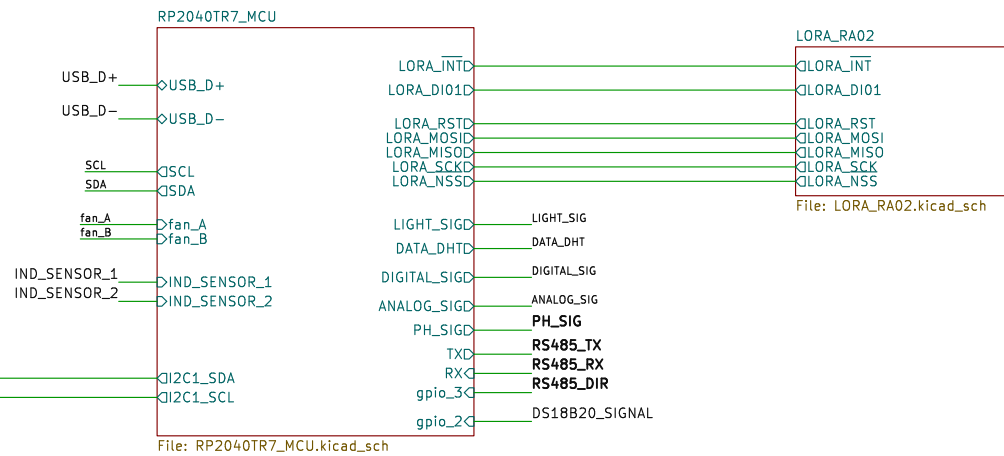
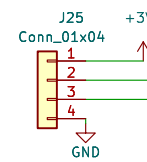
## INPUT PROTOTYPE SENSORS CONNECTORS



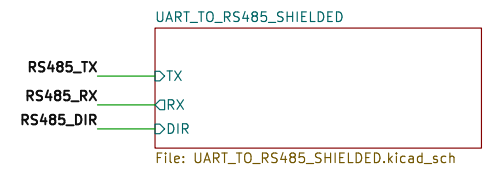
## CONTROLLER AND COMMUNICATION



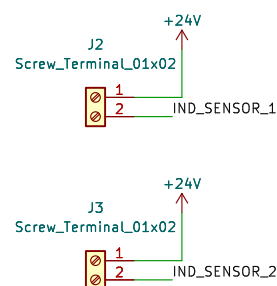
### I2C CONNECTOR



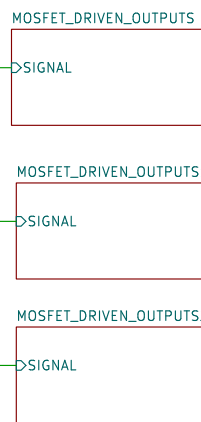
### RS485 INTERFACE



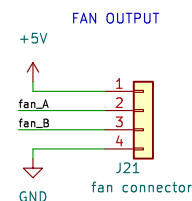
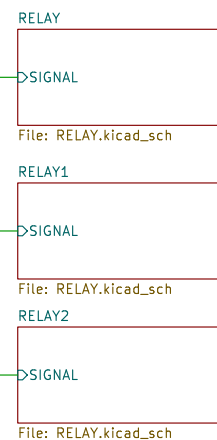
### INDUSTRIAL SENSORS INPUT 4mA - 20mA SIGNALS



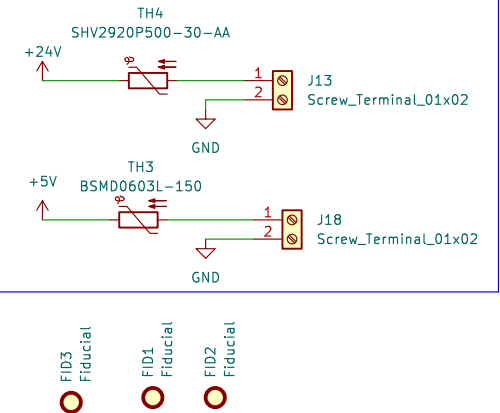
### MOSFET OUTPUTS



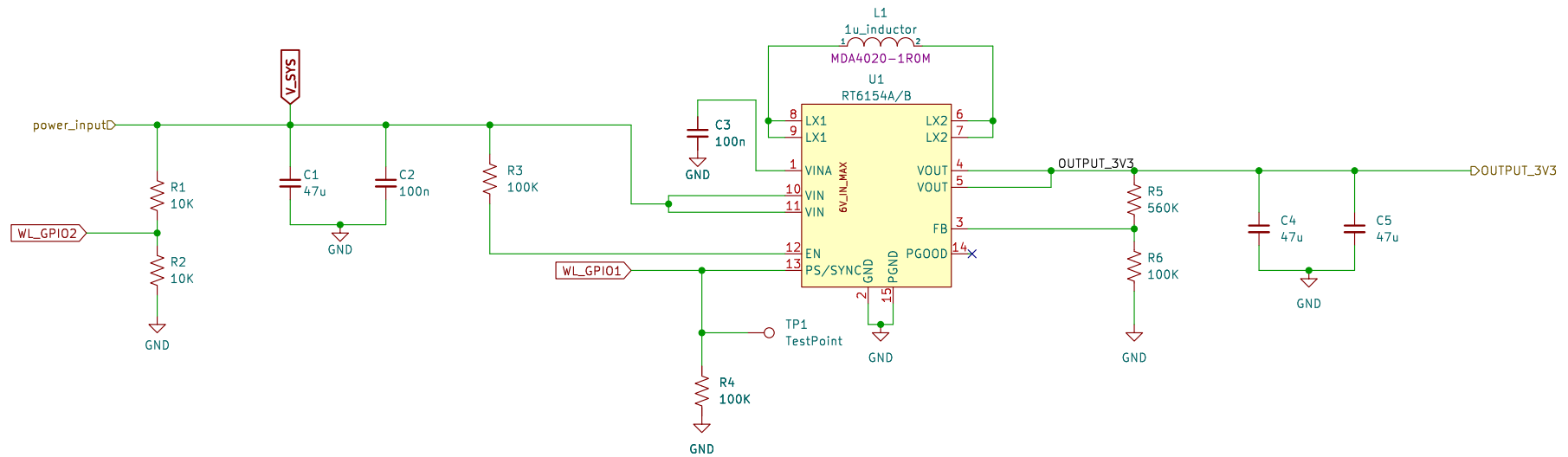
### RELAY OUTPUTS ISOLATED



### POWER CONNECTORS



## 3V3 BUCK REGULATOR



Sheet: /RT6154AGQW\_3V3\_BUCK\_CONVERTER/  
File: RT6154AGQW\_3V3\_BUCK\_CONVERTER.kicad\_sch

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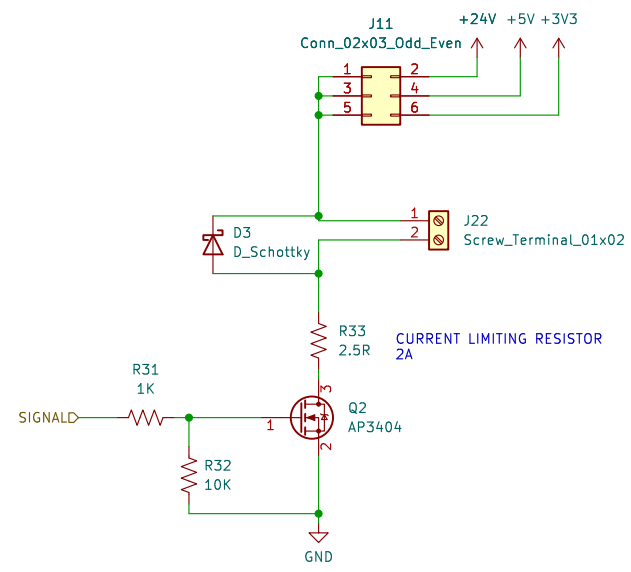
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KiCad E.D.A.	kiCad 7.0.2

Date:

Rev:  
Id: 2/17

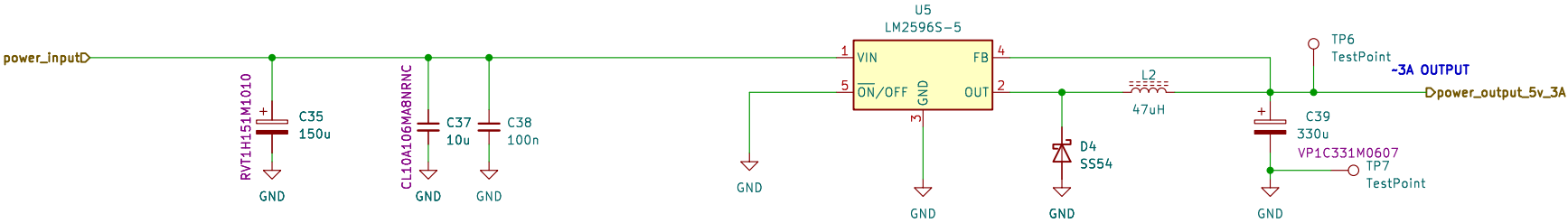


MOSFET DRIVER



Sheet: /MOSFET_DRIVEN_OUTPUTS1/ File: MOSFET_DRIVEN_OUTPUTS.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.2		Id: 5/17

# 5V 3A BUCK CONVERTER LM2596S



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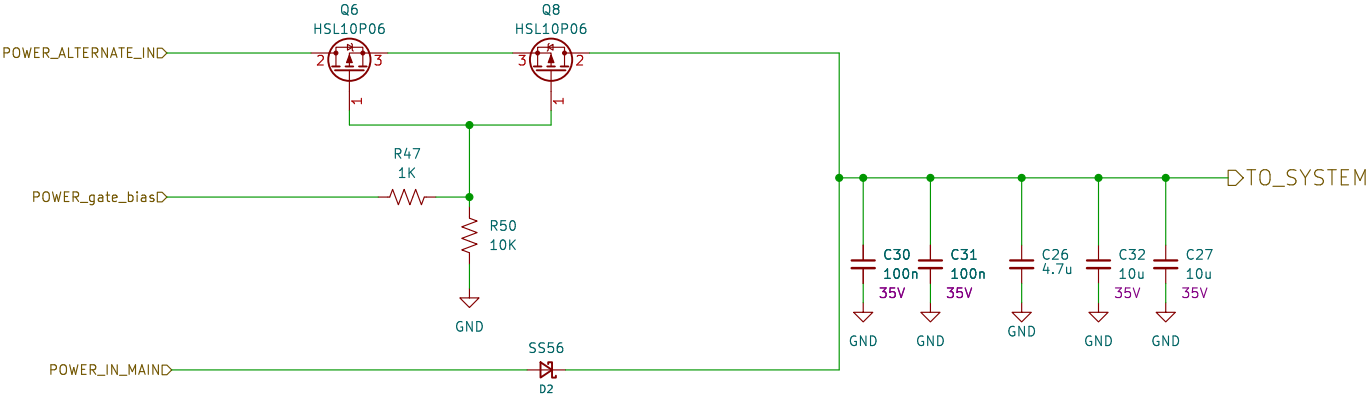
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KiCad E.D.A. kicad 7.0.2

Rev:

Id: 6/17

POWER PATH SELECTOR



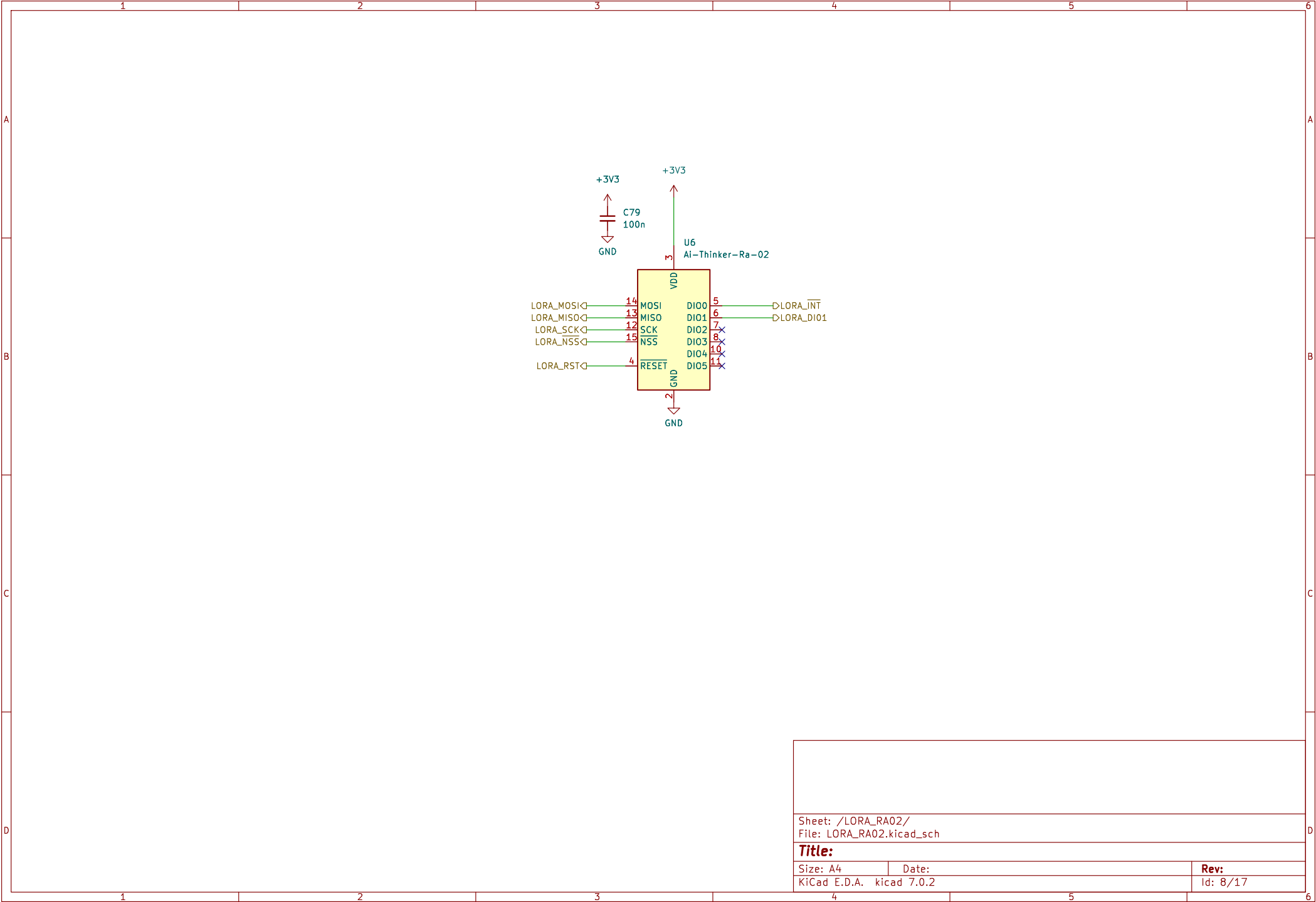
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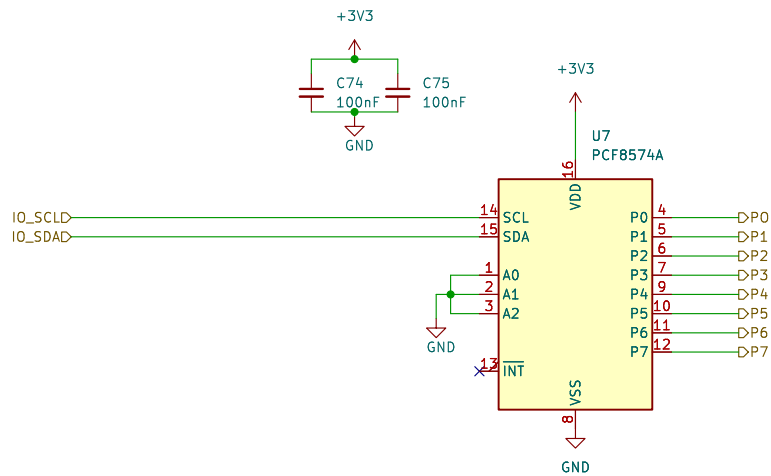
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KiCad E.D.A. kicad 7.0.2

Date:

Rev:  
Id: 7/17



IO EXPANDER



Sheet: /IO\_EXPANDER\_I2C/  
File: IO\_EXPANDER\_I2C.kicad\_sch

Title:

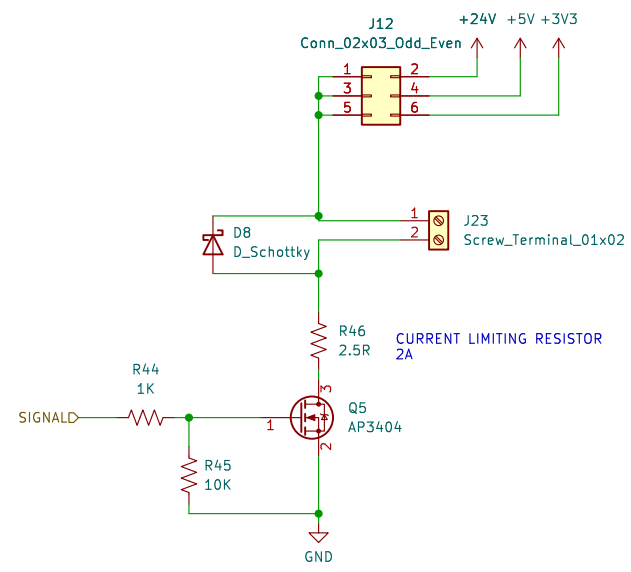
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Date:

Rev:  
Id: 9/17

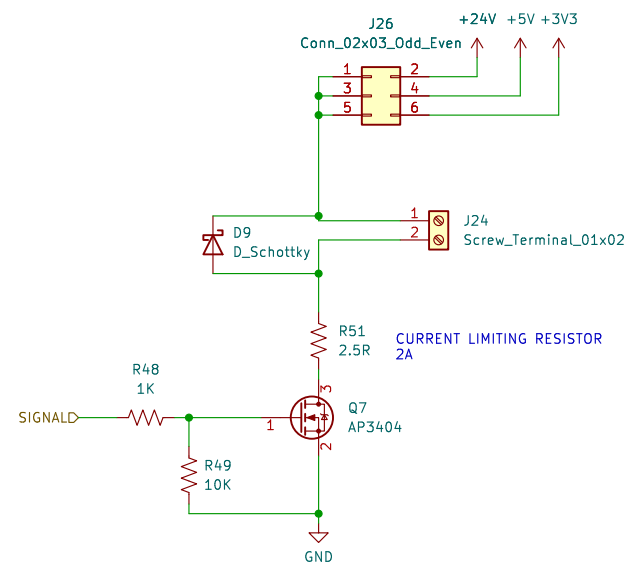


MOSFET DRIVER



Sheet: /MOSFET_DRIVEN_OUTPUTS/ File: MOSFET_DRIVEN_OUTPUTS.kicad_sch		
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MOSFET DRIVER

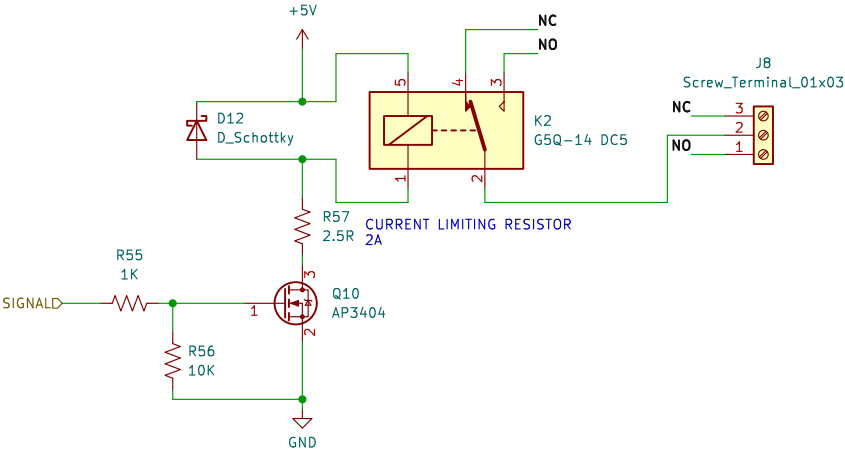


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KiCad E.D.A. kicad 7.0.2		Id: 11/17

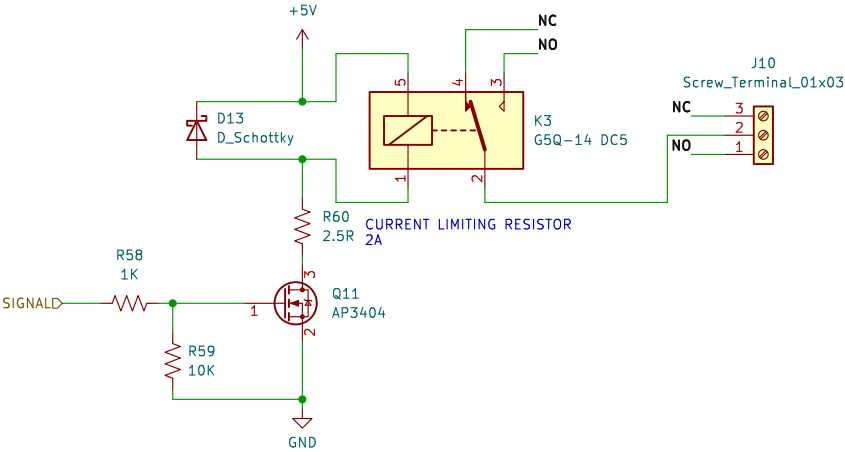


RELAY DRIVER

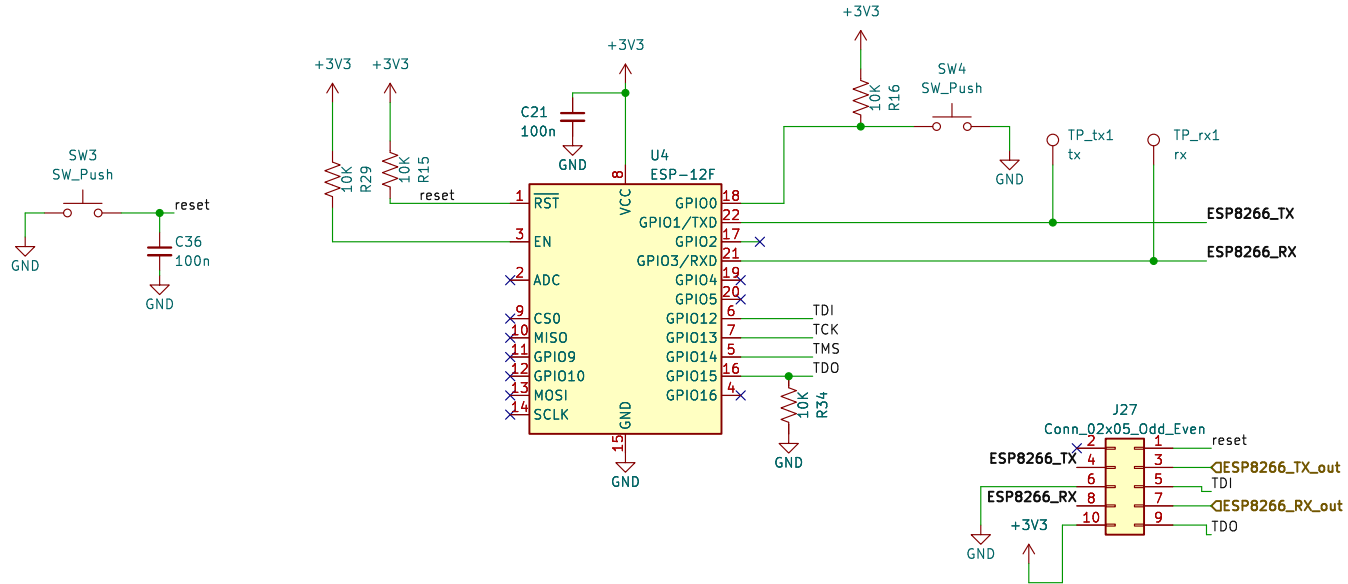


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RELAY DRIVER



Sheet: /RELAY2/ File: RELAY.kicad_sch		
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KiCad E.D.A. kicad 7.0.2		Id: 14/17



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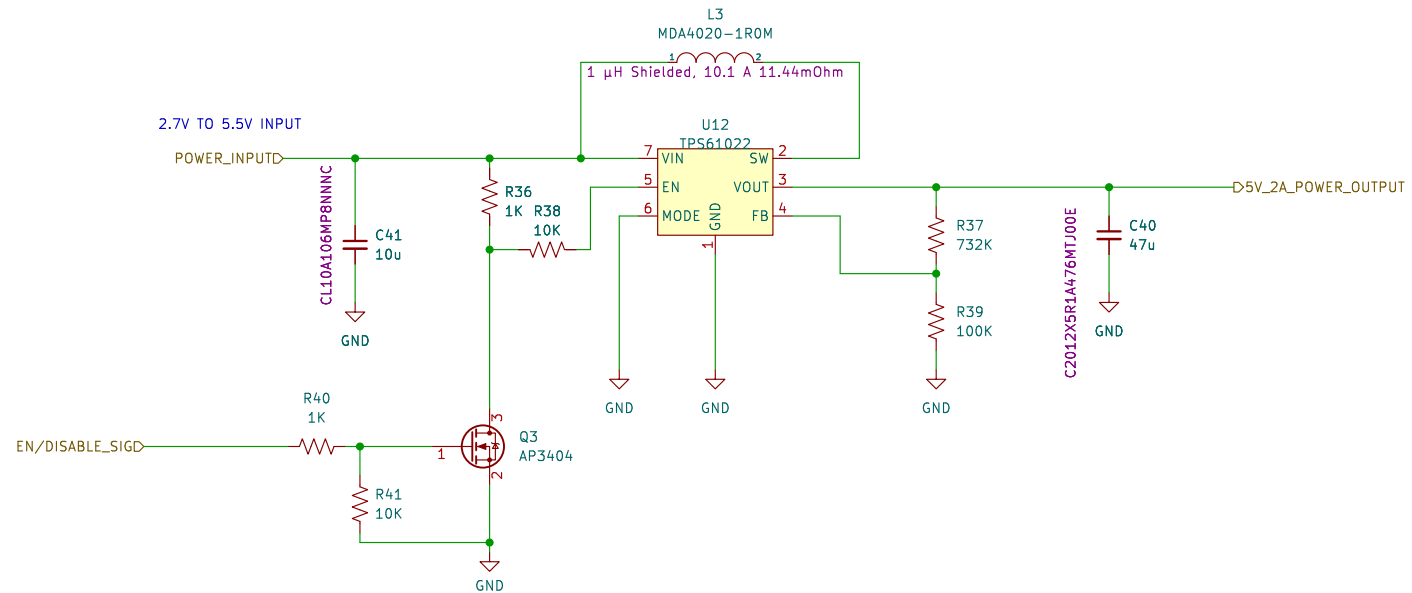
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**Rev:**

Id: 16/17



## 5V 4A BOOST CONVERTER EFFICIENT , LOW QUIESCENT



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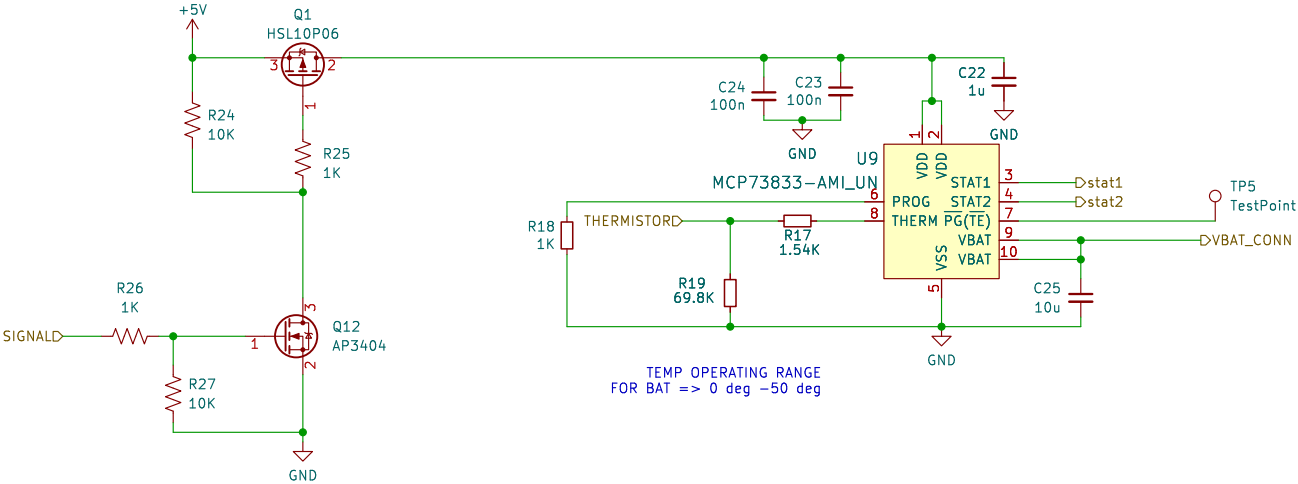
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Rev:

Id: 17/17



LITHIUM BATTERY CHARGER



Sheet: /bat\_charger/  
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Title:

Size: A4  
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Date:

Rev:  
Id: 18/17