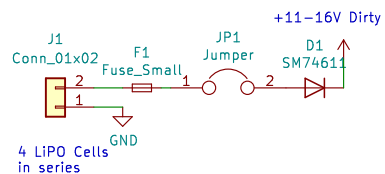
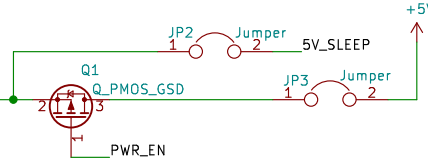


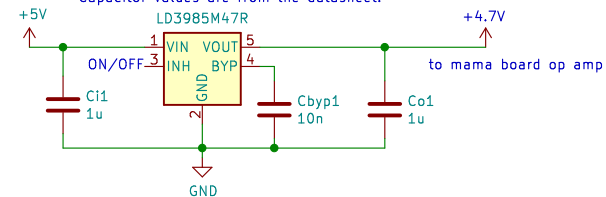
# Battery Connector



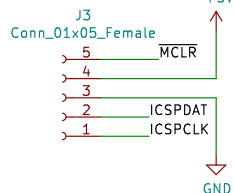
# System Sleep Control



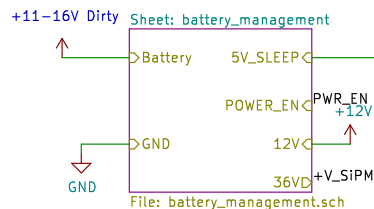
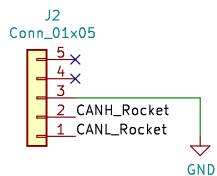
LD3986M47R is a 4.7V low dropout regulator. Capacitor values are from the datasheet.



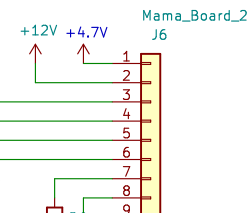
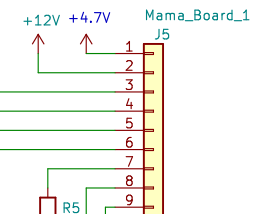
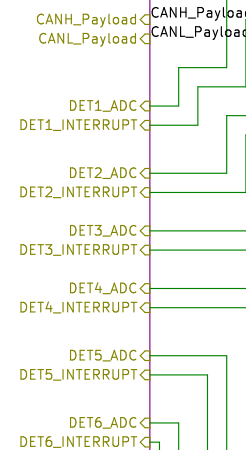
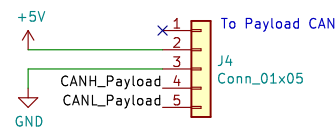
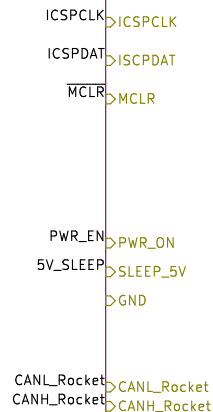
# Connector for programming



# To Rocket CAN bus



# Sheet: MCU and CAN controllers



Sheet: /  
File: payload2020\_base\_board.sch

# Title:

Size: A4

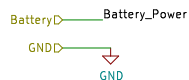
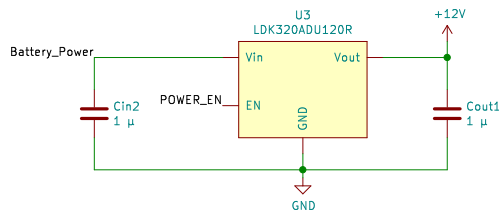
Date:

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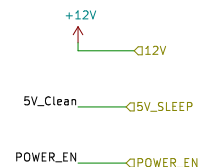
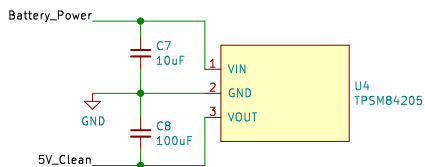
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Id: 1/3

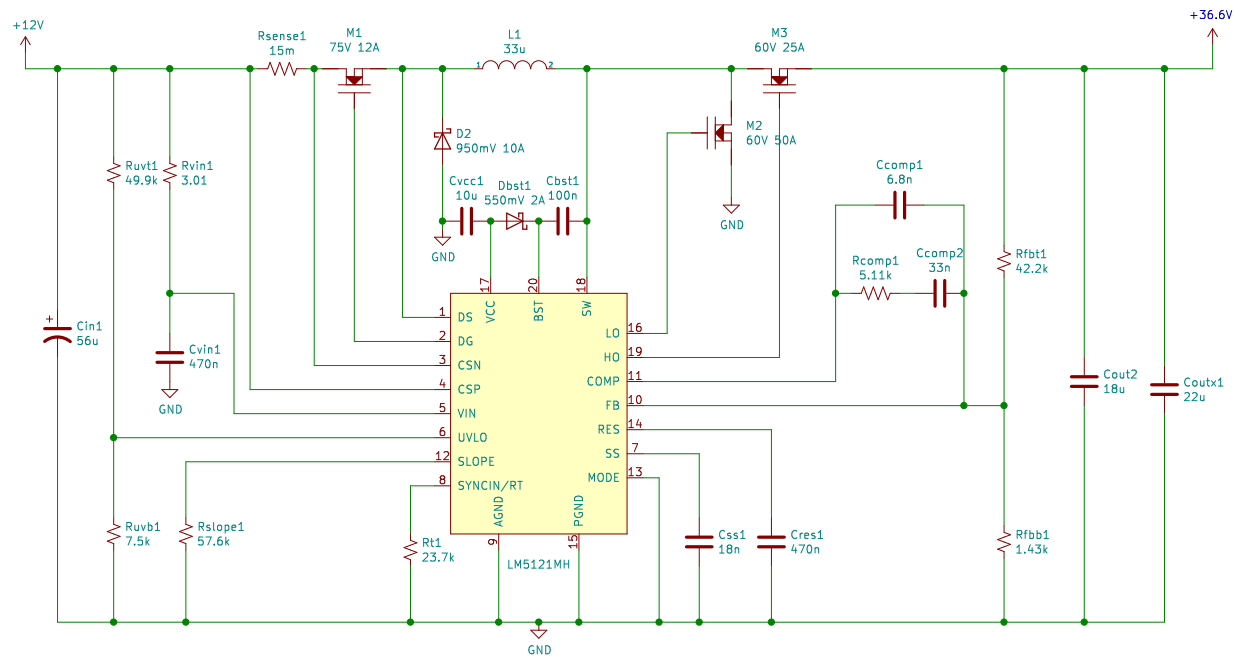
1uF capacitors as per datasheet directly (no calculations)  
LDK320ADU120R is a 12V fixed-voltage regulator.



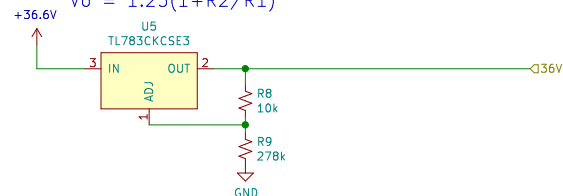
10uF and 100uF capacitors as per datasheet directly (no calculations)  
TPSM84205 is a 5V fixed-voltage regulator.



LM5121MH is a boost converter.  
Values are taken from WEBENCH power designer  
<https://webench.ti.com/power-designer/switching-regulator/customize/12?noparams=0>



TL783CKCSE3 is a low dropout regulator.  
 $V_o = 1.25(1+R_2/R_1)$



Sheet: /battery\_management/  
File: battery\_management.sch

**Title:**

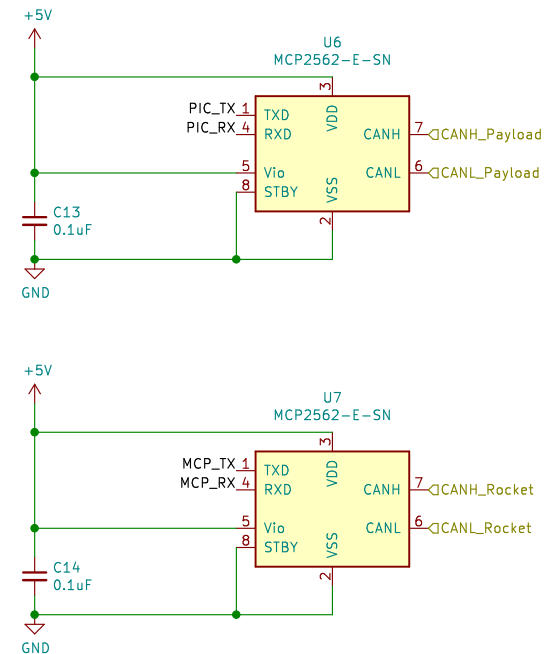
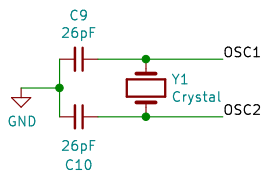
Size: USLegal

Date:

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Id: 2/3



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