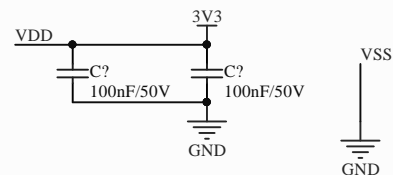
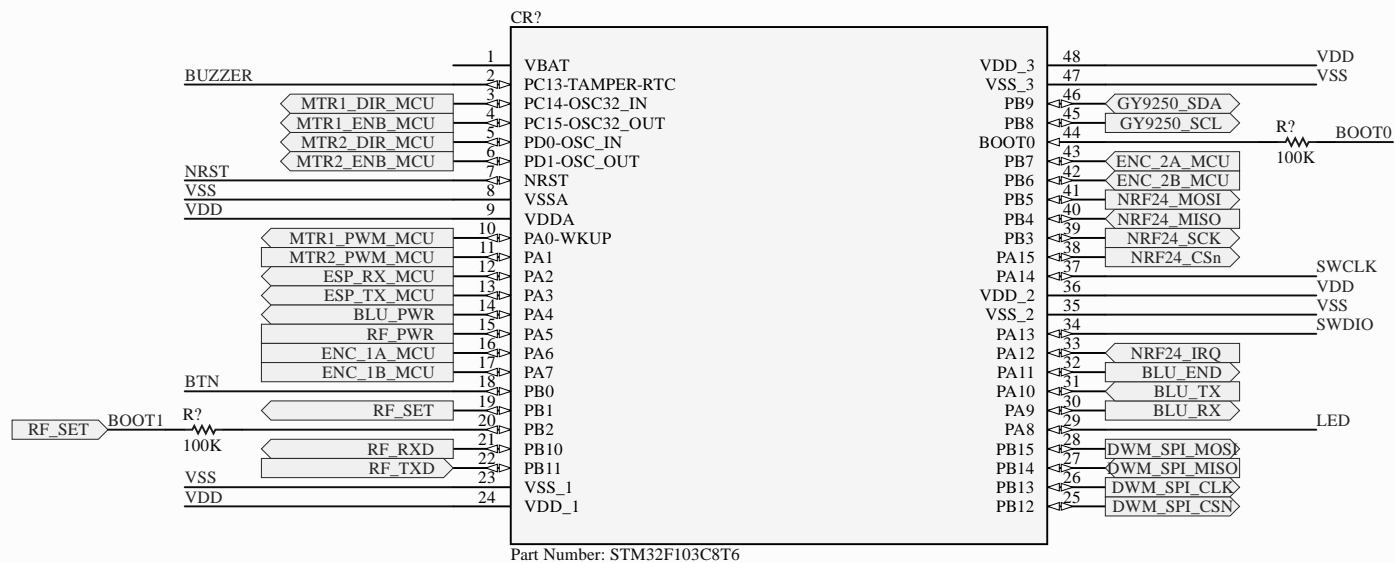
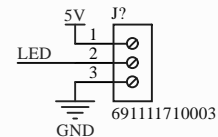


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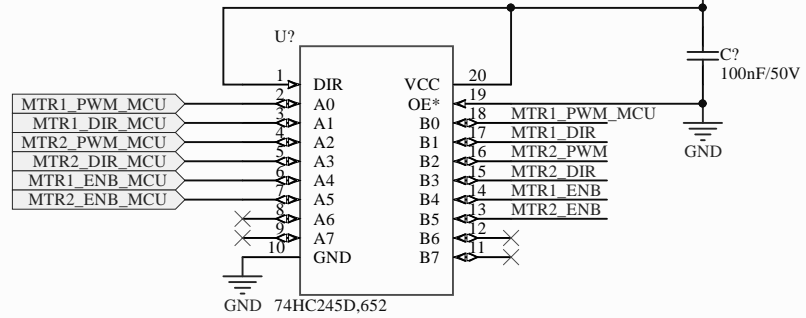
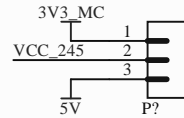
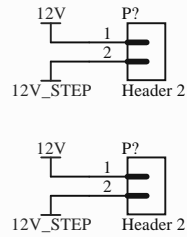

$$V_{BE(sat)} = 0.7$$

HEF = 100

$$(3V3 - 0V7)/(22mA/100) \rightarrow 13.6K \rightarrow 15K$$

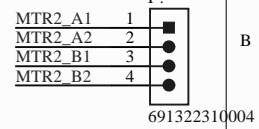
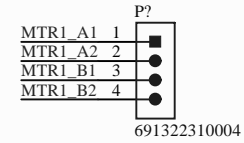
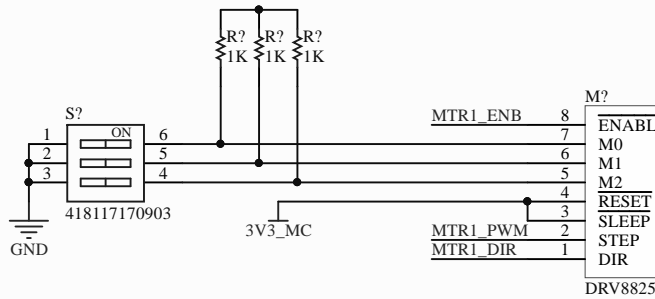
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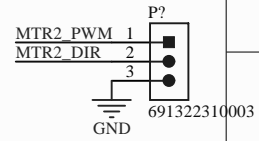
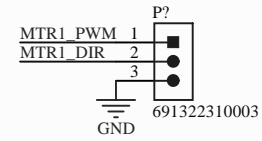
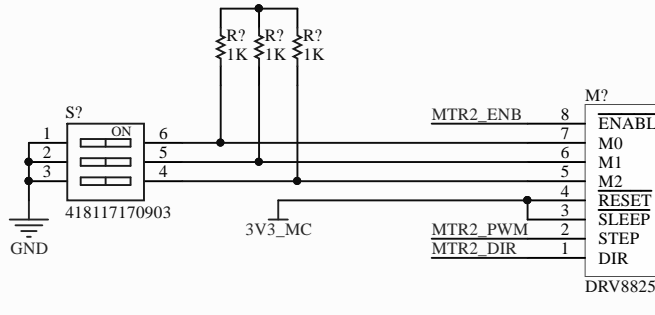
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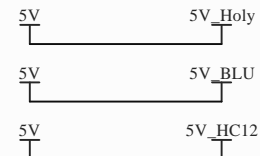
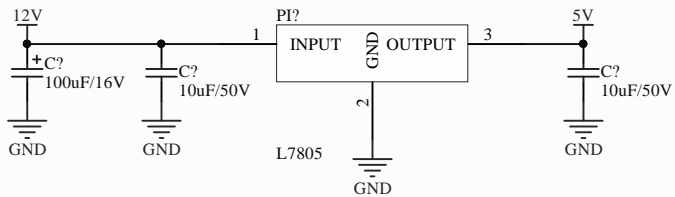
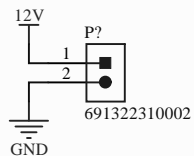


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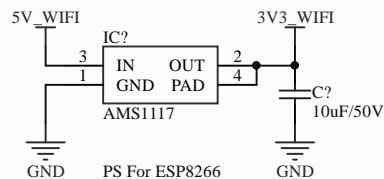
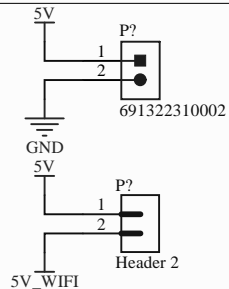
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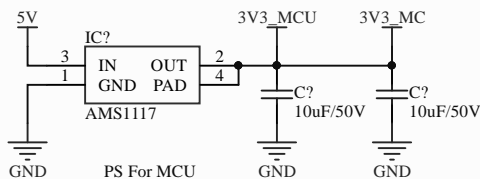
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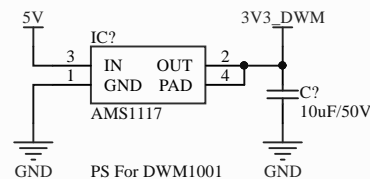
PS For Holybro Module, HC05,06 TH



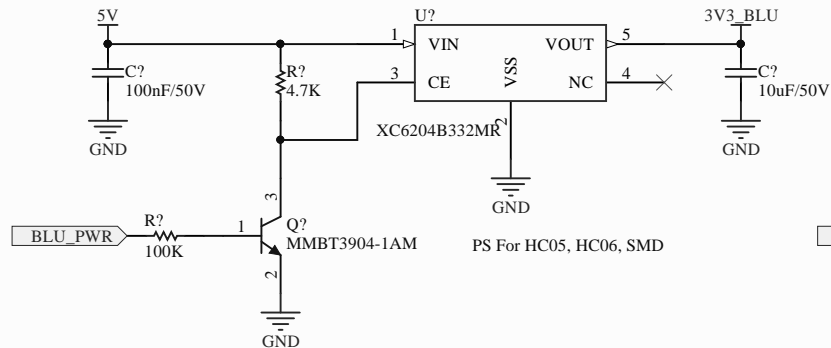
PS For ESP8266



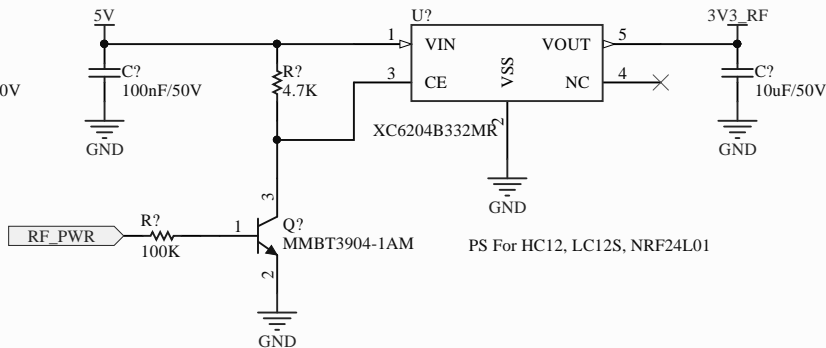
PS For MCU



PS For DWM1001



PS For HC05, HC06, SMD



PS For HC12, LC12S, NRF24L01

## Input

12V

## Output

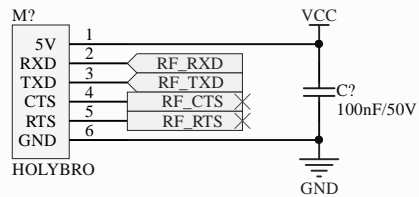
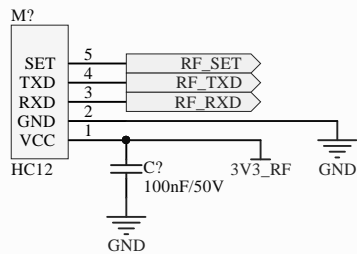
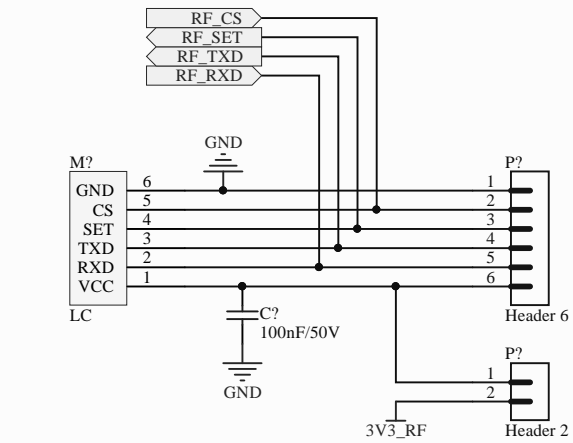
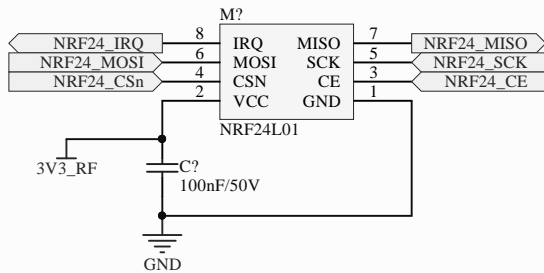
5V  
5V\_Holy  
5V\_BLU  
5V\_HC12

3V3\_MCU  
3V3\_MC  
3V3\_WIFI  
3V3\_BLU  
3V3\_RF  
3V3\_DWM

## NOTE

LC12S: 3V3      HC05-06 TH: 3V3-5V  
HC-12: 3V3-5V      HC05-06 SMD: 3V3  
NRF24L01: 3V3      ESP8266: 3V3  
Holybro: 5V

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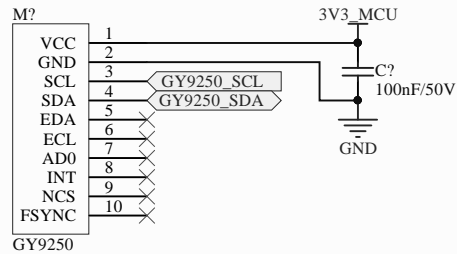
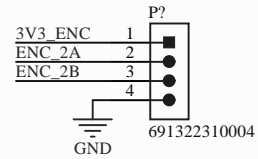
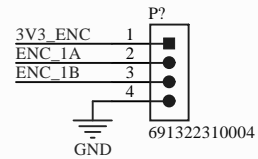
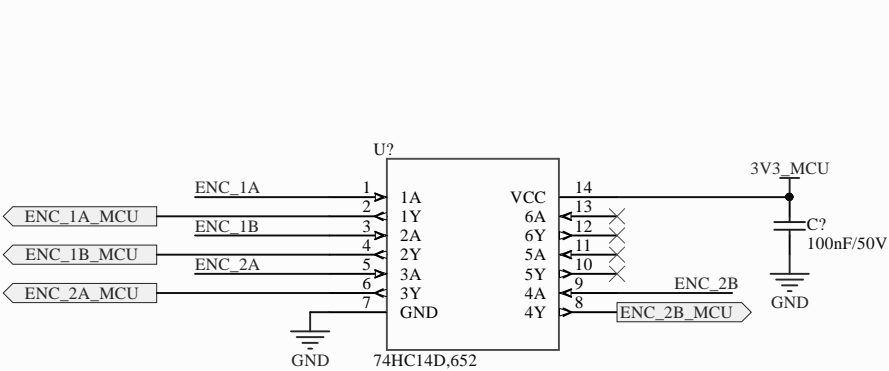
D

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