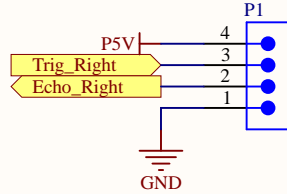
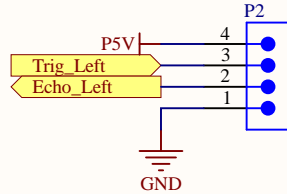


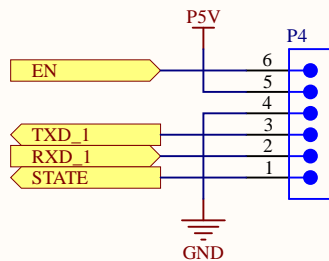
## HC-SR04 Ultrasonic Sensor Right



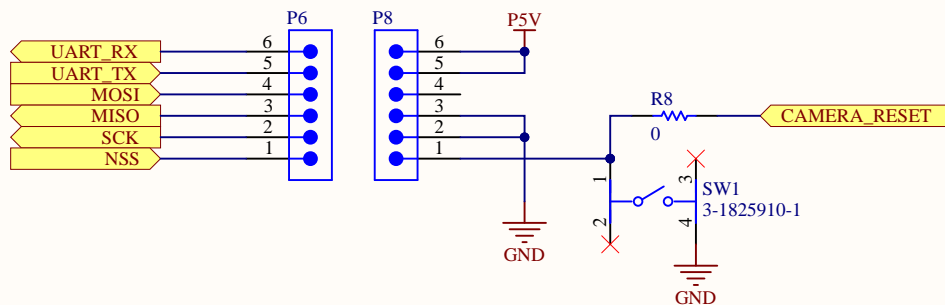
## HC-SR04 Ultrasonic Sensor Left



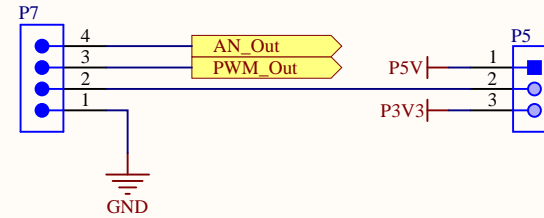
## HC-05 Bluetooth Module



## OpenMV Cam H7

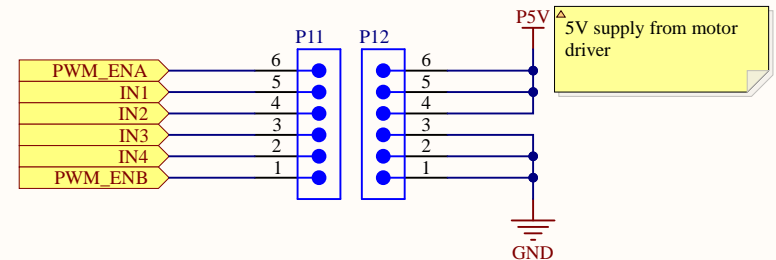


## LV-MaxSonar-EZ1 Ultrasonic Rangefinder

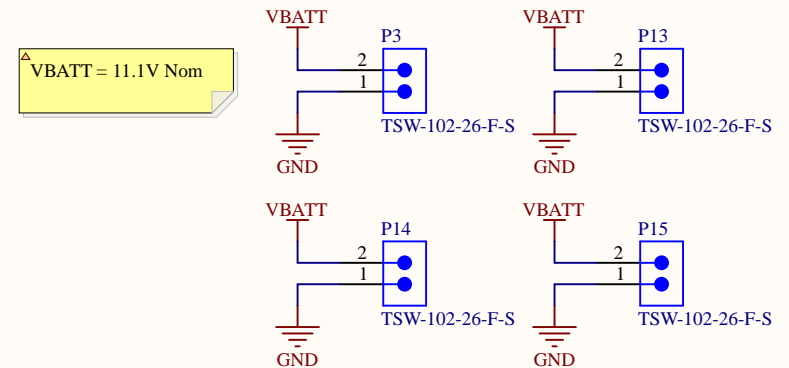


△ LV-MAX has different scaling factor based on supply voltage

## L298N Motor Driver



## Battery Input/Output

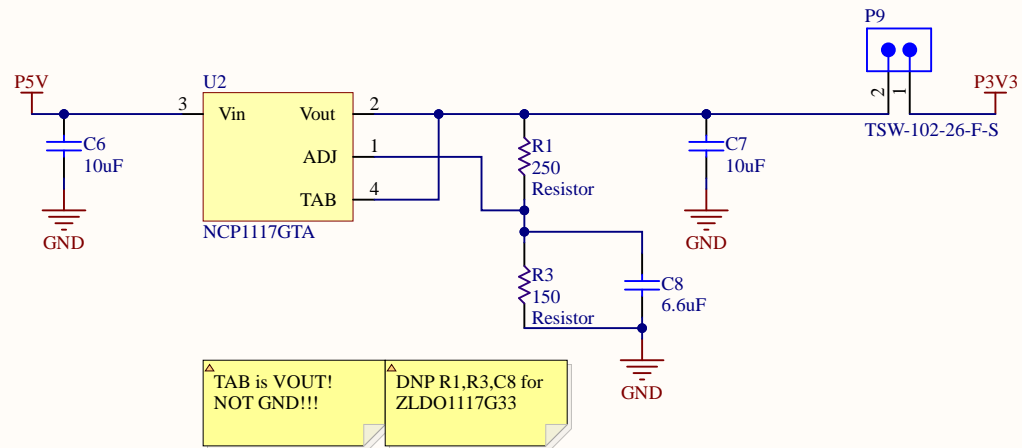
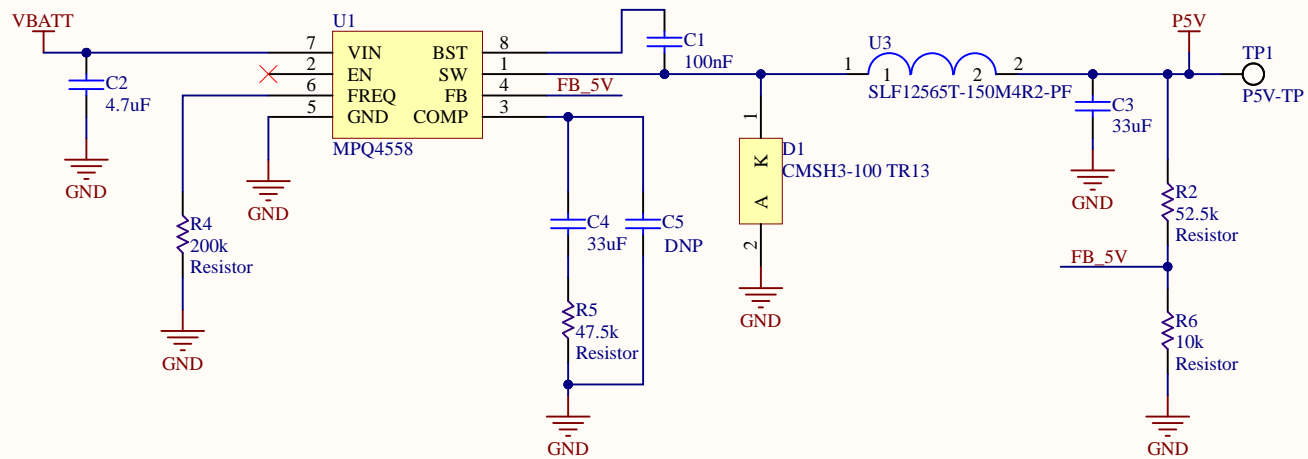


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Date:	11/12/2021	Sheet of
File:	C:\Users\...\Connectors.SchDoc	Drawn By:

1		2		3		4	
A							
B							
C							
D							
1		2		3		4	

Title		
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Date:	11/12/2021	Sheet of
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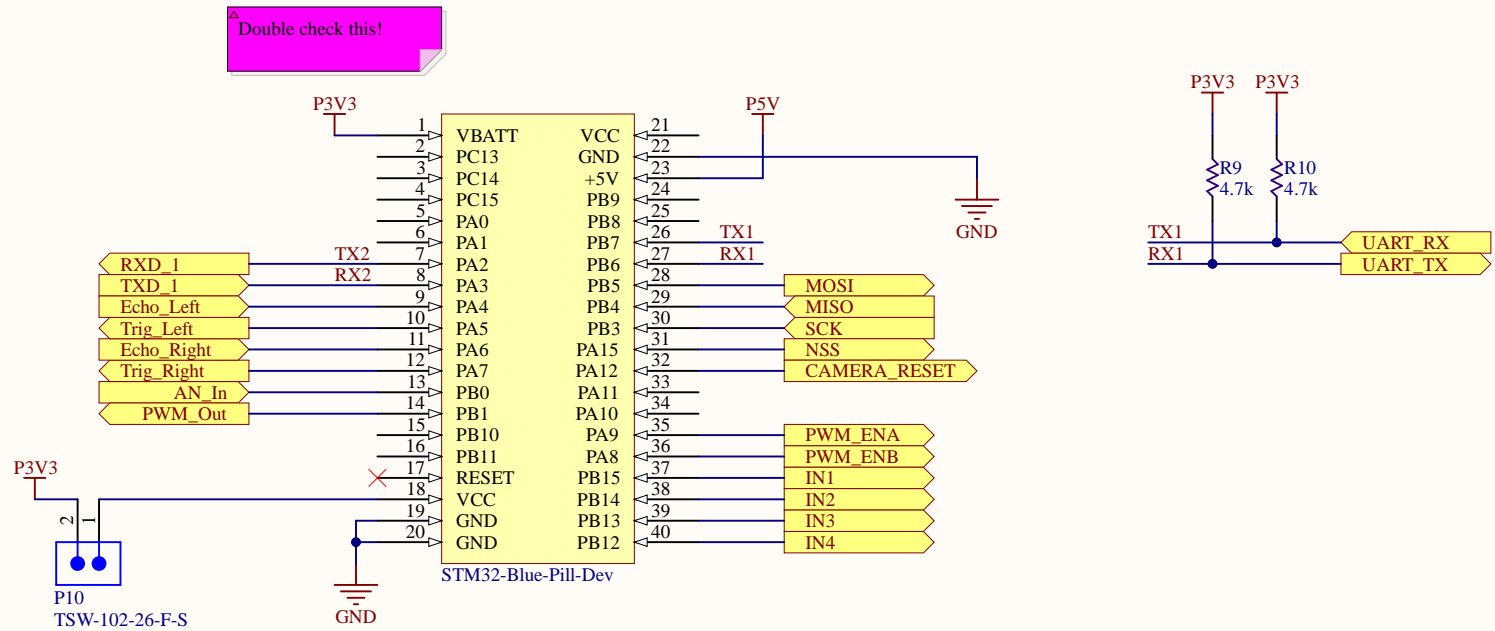
▲ MPQ4558 Vin: 12V Vout: 5V Vfb = 0.8V Max Current: 1A	▲ Vfb: R2 = 10k R1 = 52.5k ▲ Input Capacitor: Low ESR Ceramic 4.7uH (suggested)	▲ Vfb: R2 = 10k R1 = 52.5k ▲ Output Capacitor: Low ESR Ceramic 33uH --> 6.6mVp	▲ Switching Freq: 500kHz Rfreq = 195k ▲ Leave EN floating to enable	▲ Inductor: 19uH -> 15/16uH Peak Load: 1.07A 744771115 SLF12565T-150M4R2 919AS-160M	▲ Compensation Components: C: 330pF R: 47.5k
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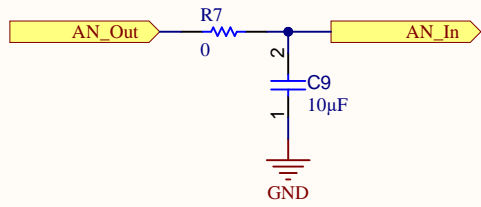
▲ TAB is VOUT!  
NOT GND!!!

▲ DNP R1,R3,C8 for  
ZLDO1117G33

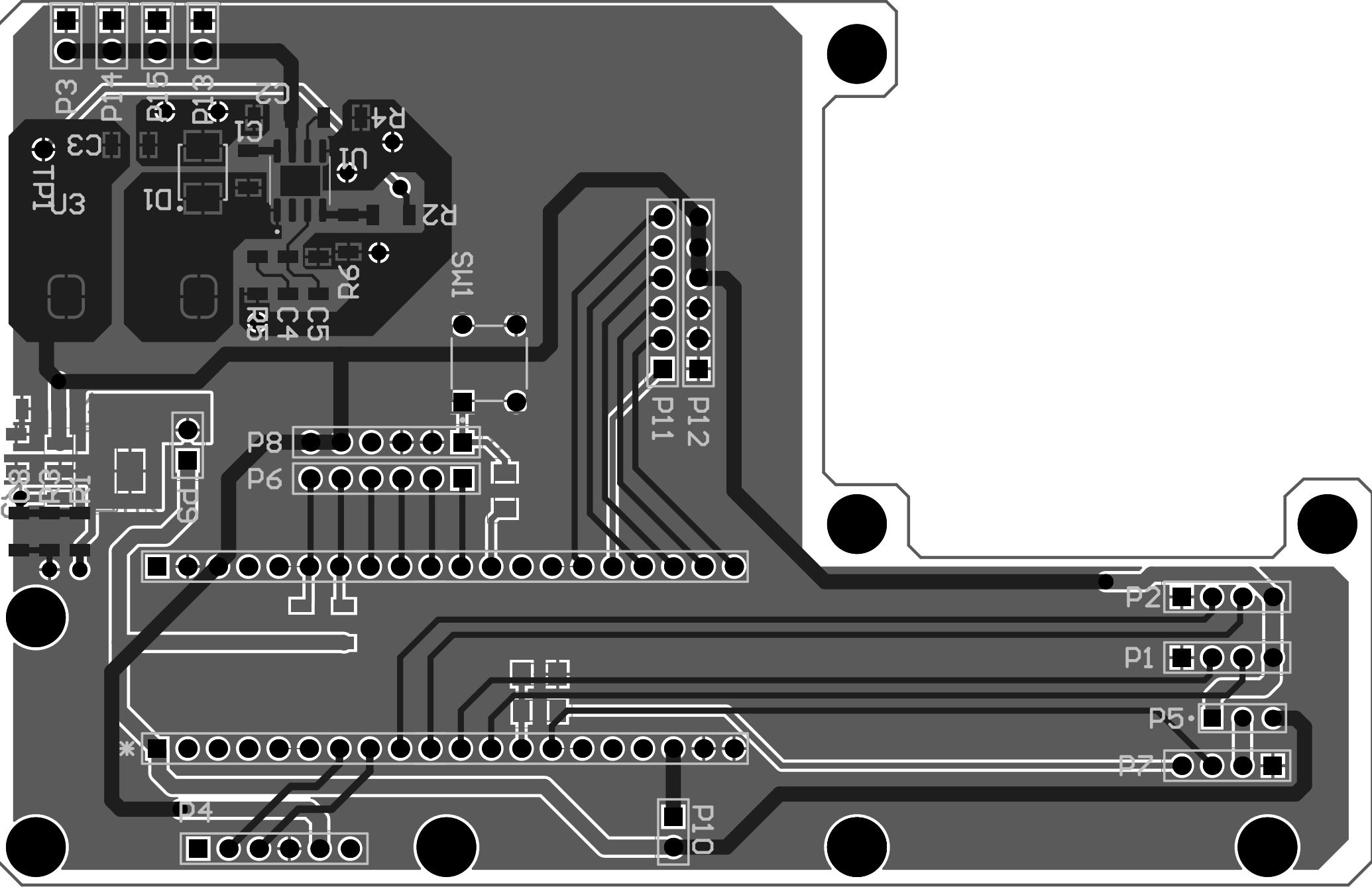
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Title		
Size	Number	Revision
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Title		
Size	Number	Revision
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Date:	11/12/2021	Sheet of
File:	C:\Users\...\STM32_Interfaces..SchDoc	Drawn By:



# Board Stack Report