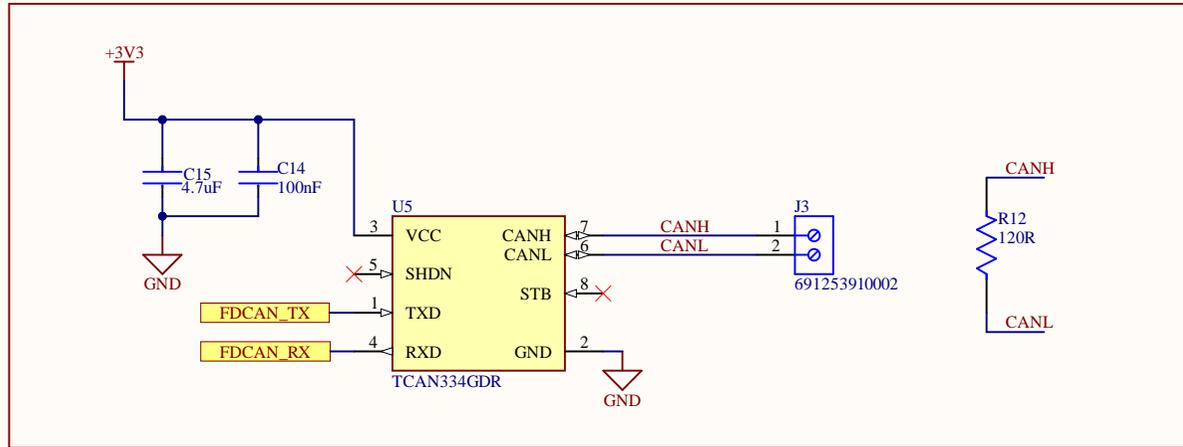


ARTMS - Sensor PCB - POWER and CAN

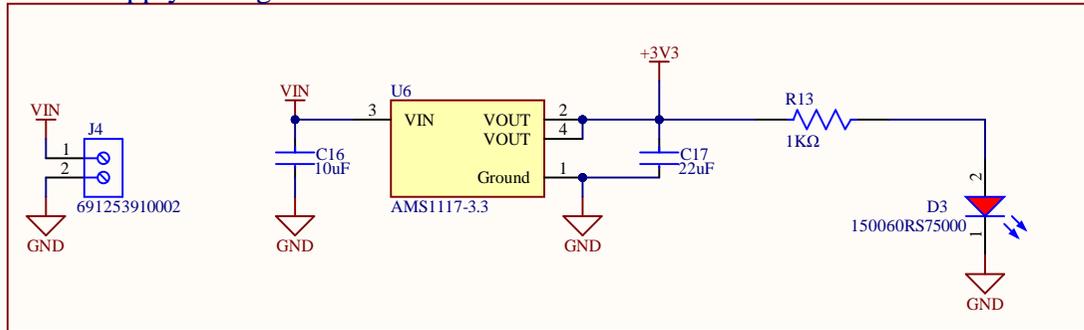
CAN Transceiver



Design Note:

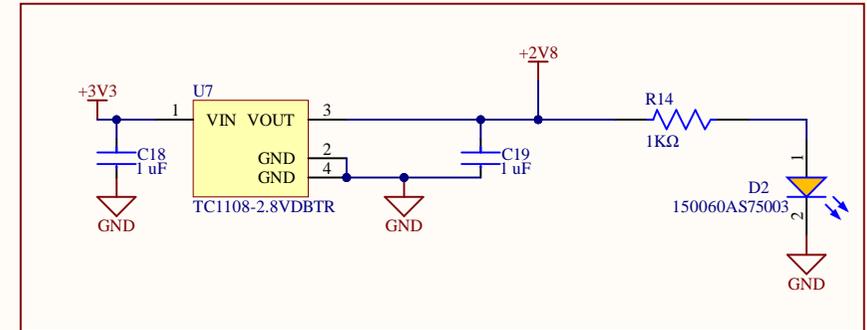
- Upto 1Mbps
- Maximum cable length: 40m
- 120Ohm resistor at terminating nodes only

Power Supply to Regulated 3.3V with LED indicator



VIN from power supply rail (12V Maximum)

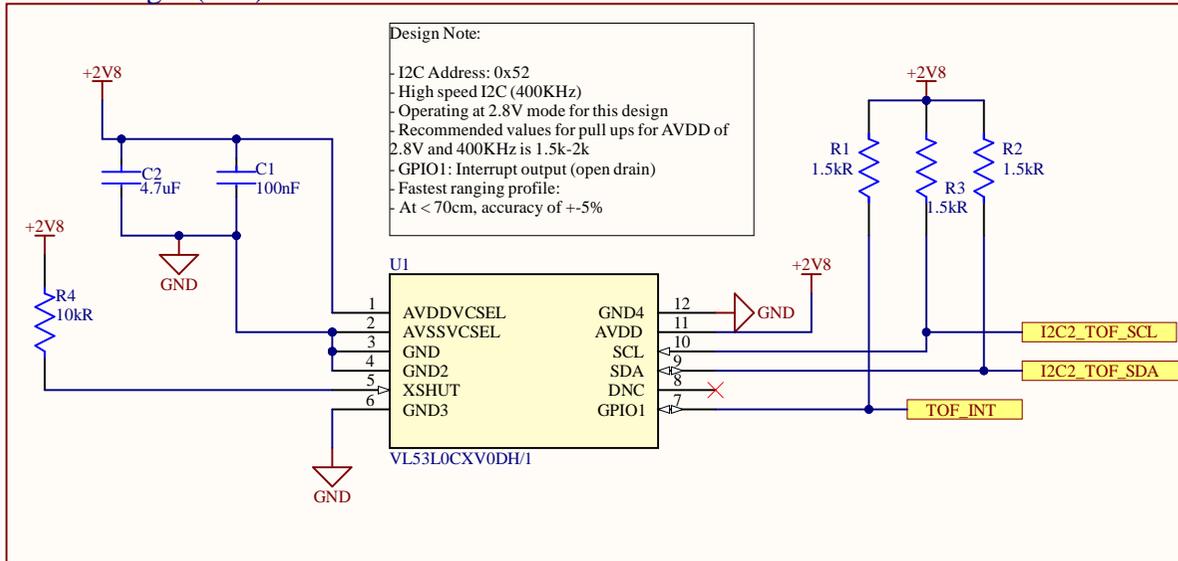
3.3V to 2.8V Converter with LED indicator



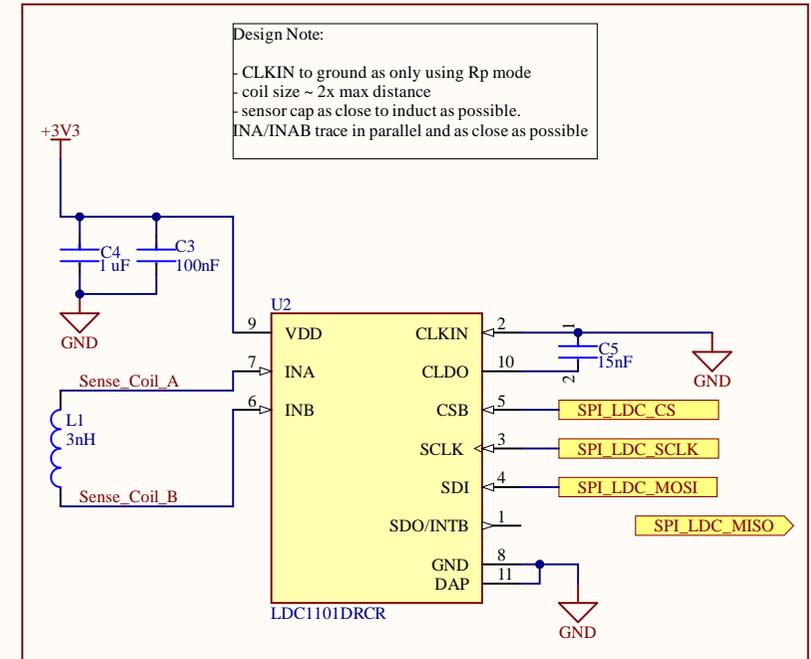
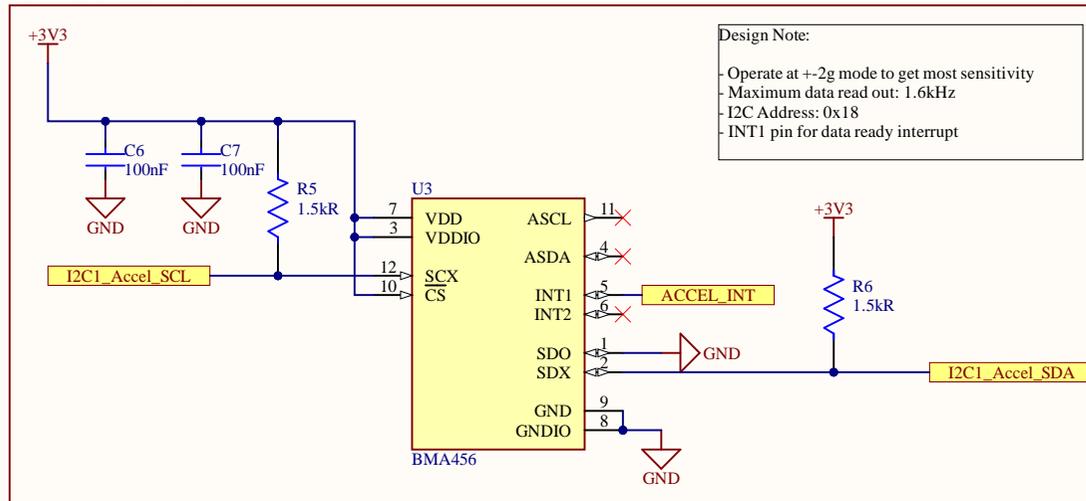
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Size	Number	Revision	
A4			
Date:	2-02-2026	Sheet of	
File:	C:\Users\...\power and CAN.SchDoc	Drawn By:	

ARTMS - Sensor PCB - Sensors

Time of Flight (ToF)



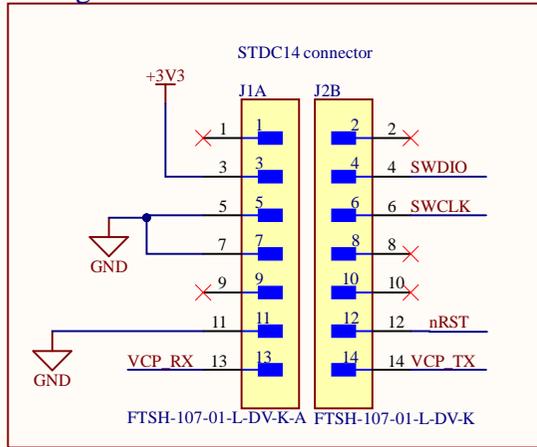
Accelerometer



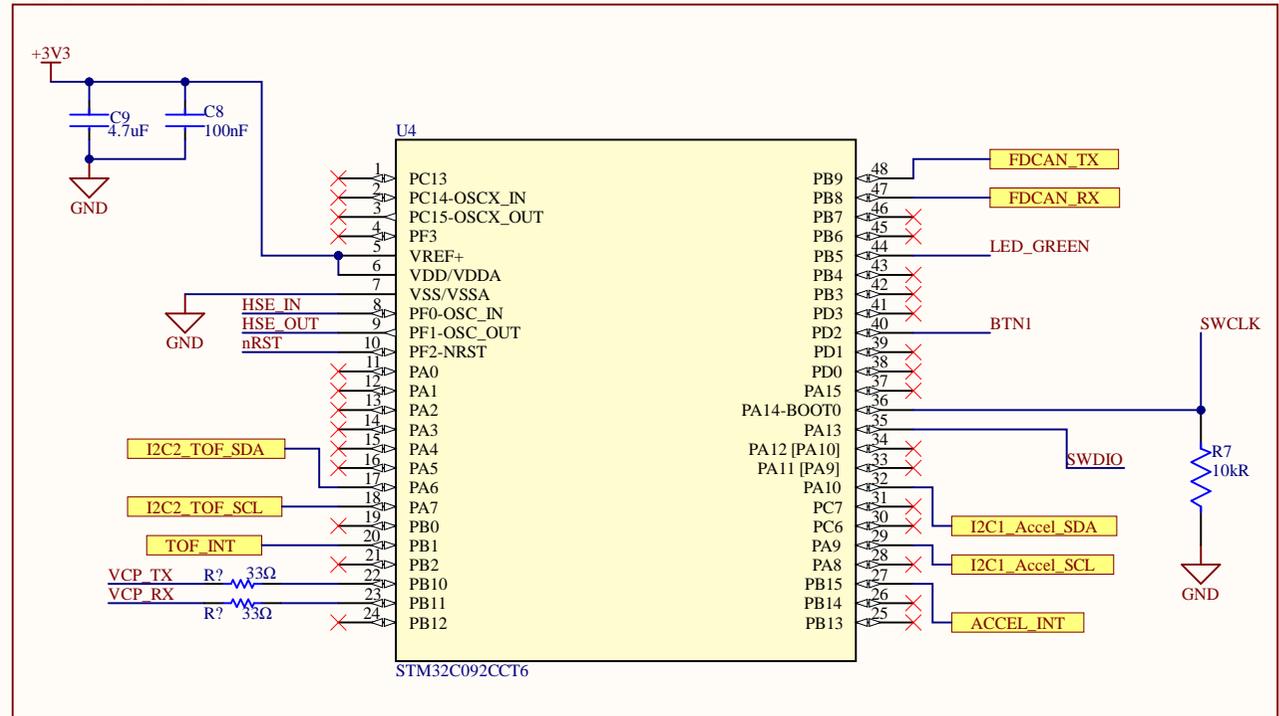
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Size	A4	Number		Revision	
Date:	2-02-2026		Sheet of		
File:	C:\Users\...\sensors.SchDoc		Drawn By:		

ARTMS - Sensor PCB - MCU Related

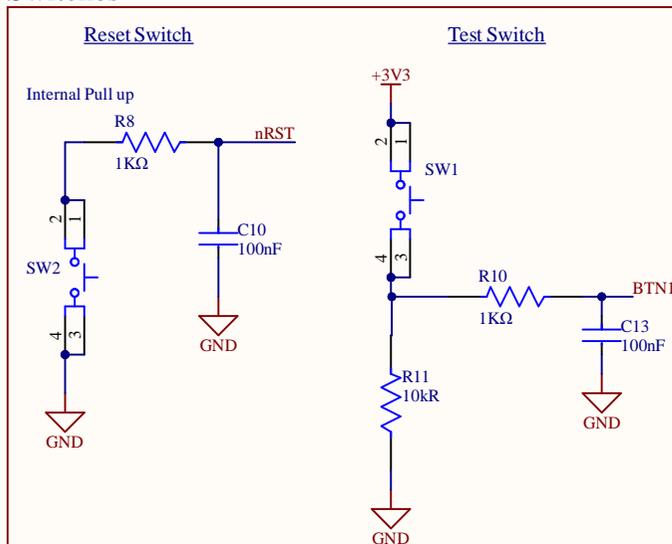
Debug Connector for SWD + VCP



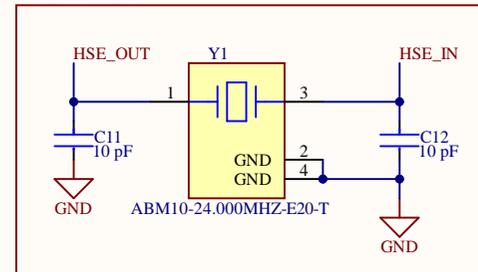
Microcontroller



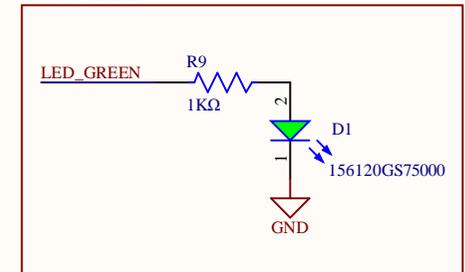
Switches



Oscillator



User LED



Title		ARTMS - Sensor PCB		Designed By Shivam Kataria	
Size	A4	Number		Revision	
Date:	2-02-2026		Sheet of		
File:	C:\Users\...\microcontroller.SchDoc		Drawn By:		