


ARK Flow

Optical Flow CAN Node

Revision History

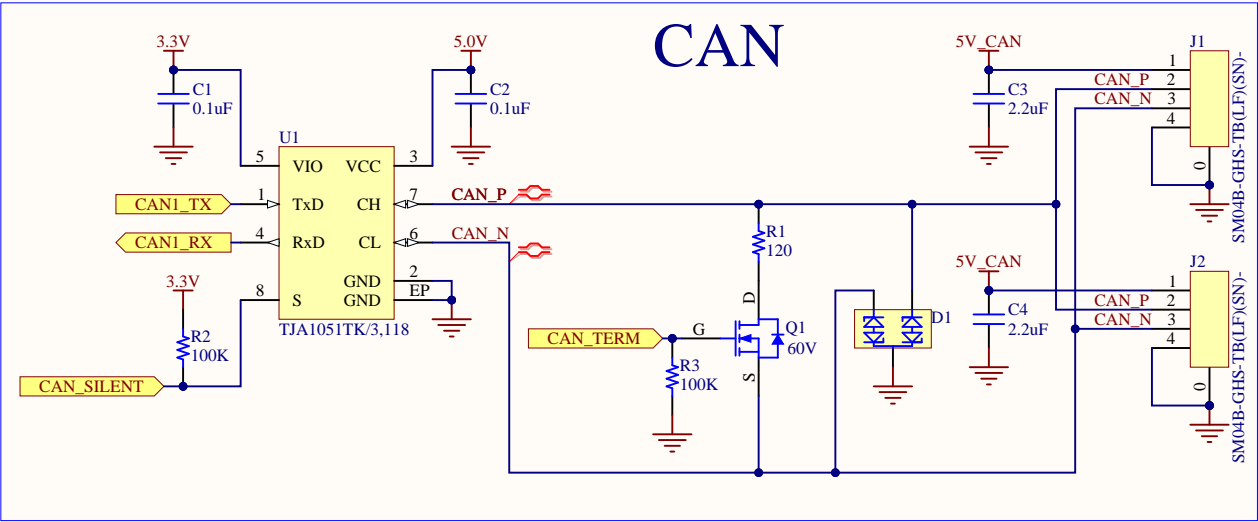
Rev 1.0 - Initial release

Rev 2.0 - Change mems oscillator to crystal
Add thermal relief to U8
Replace BMI088 with ICM-42688-P

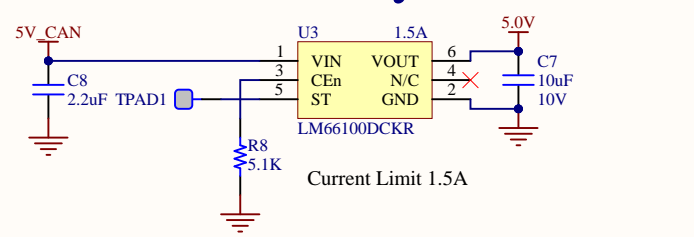


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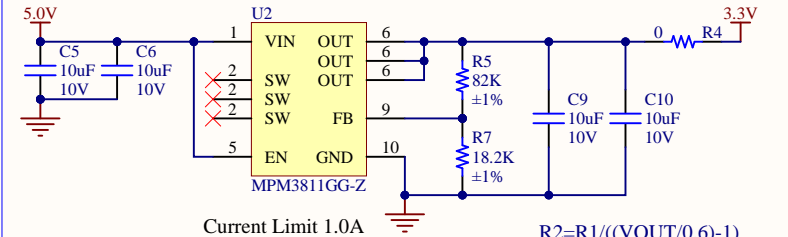
Page Title: Cover Sheet		Drawn By: Alex Klimaj	
Project Title: ARK Flow		Checked By: *	
Date: 6/28/2021	Time: 3:11:07 PM	Revision: 2.0	Variant: Production
Date:	6/28/2021	Time:	3:11:07 PM
Size:	LEGAL	Sheet	1 of 3



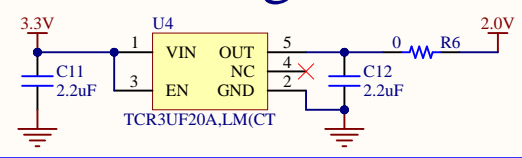
Reverse Polarity Protection




3.3V Regulator



2.0V Regulator

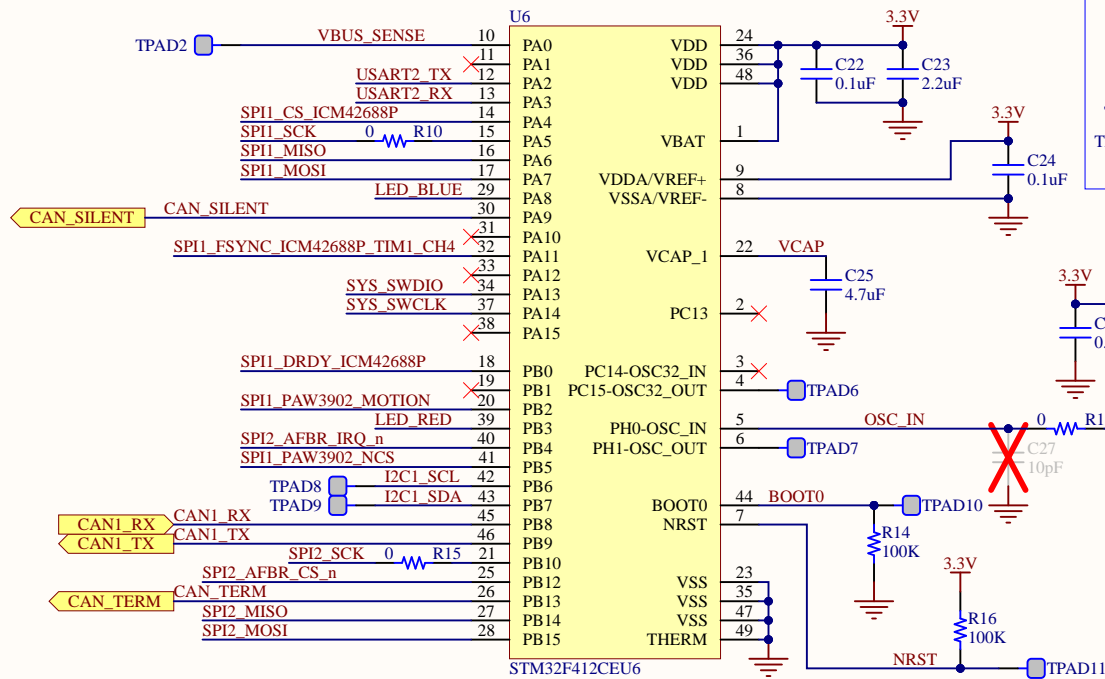




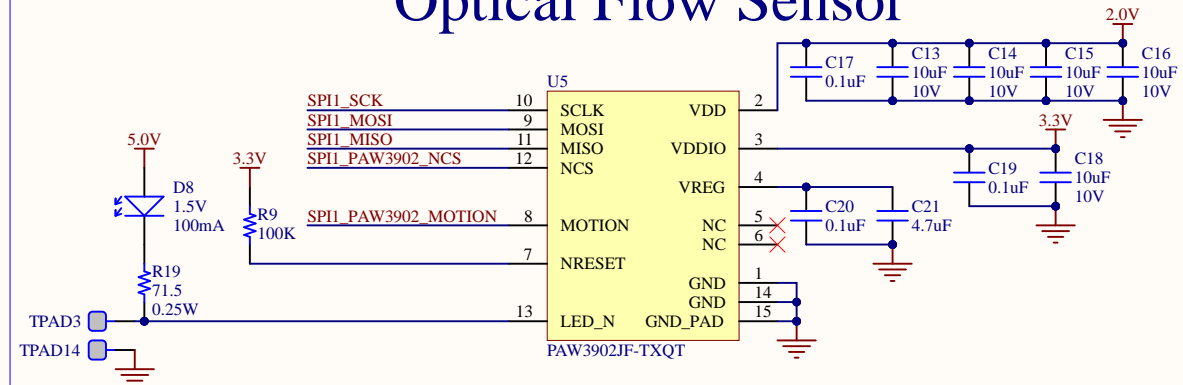
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Page Title: External Interfaces Power		Drawn By: Alex Klimaj	
Project Title: ARK Flow		Checked By: *	
Date: 6/28/2021	Time: 3:11:08 PM	Revision: 2.0	Variant: Production
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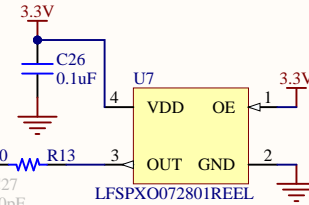
MCU



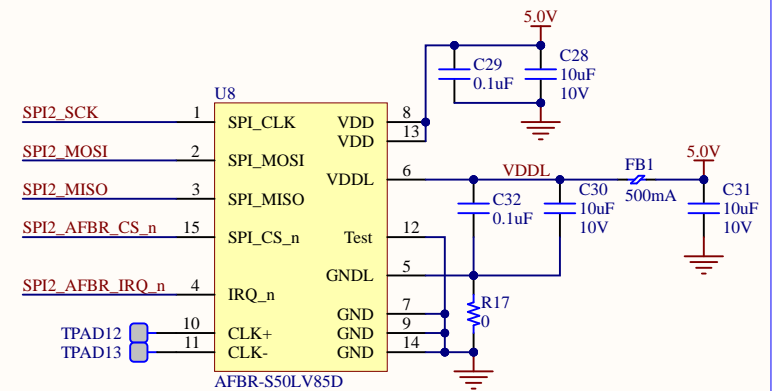
Optical Flow Sensor



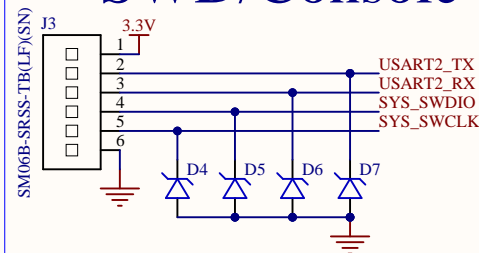
Oscillator



Distance Sensor



SWD/Console



IMU

