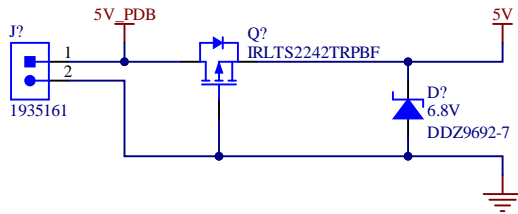
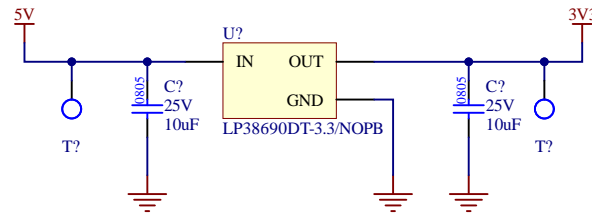


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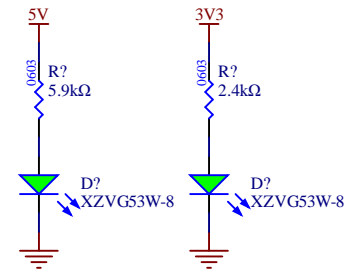
BMS Connector



5V to 3.3V LDO @ 1A Max



Power LEDs



$$R_{5V} = (5V - 2.1V) / (0.5mA) = 5.8k\Omega$$

$$R_{3V3} = (3.3V - 2.1V) / (0.5mA) = 2.4k\Omega$$



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LDO.SchDoc

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Daniel Puratich

REVIEWER
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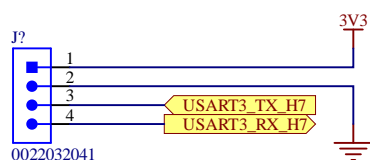
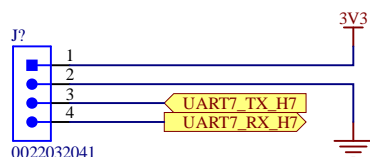
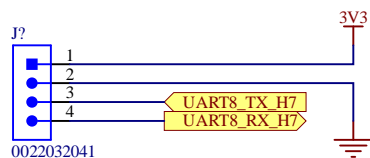
A

B

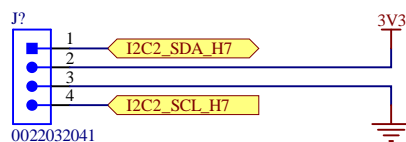
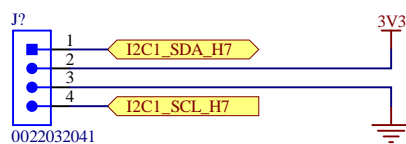




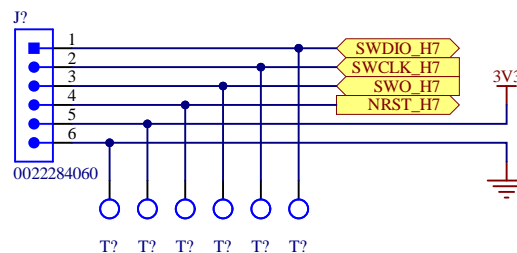
UART Connectors



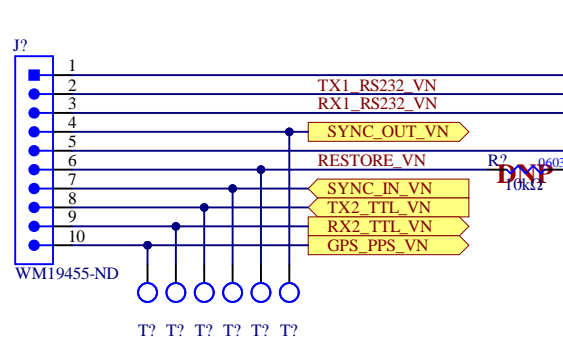
I2C Connectors



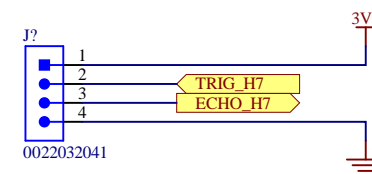
SWD/SWO Connector



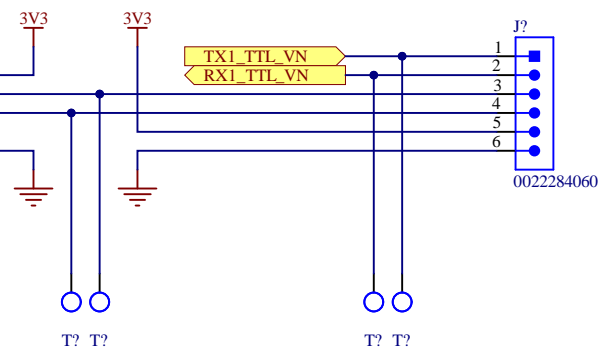
VN-300 Connector



Ultrasonic Connector



MAX3232 Connector



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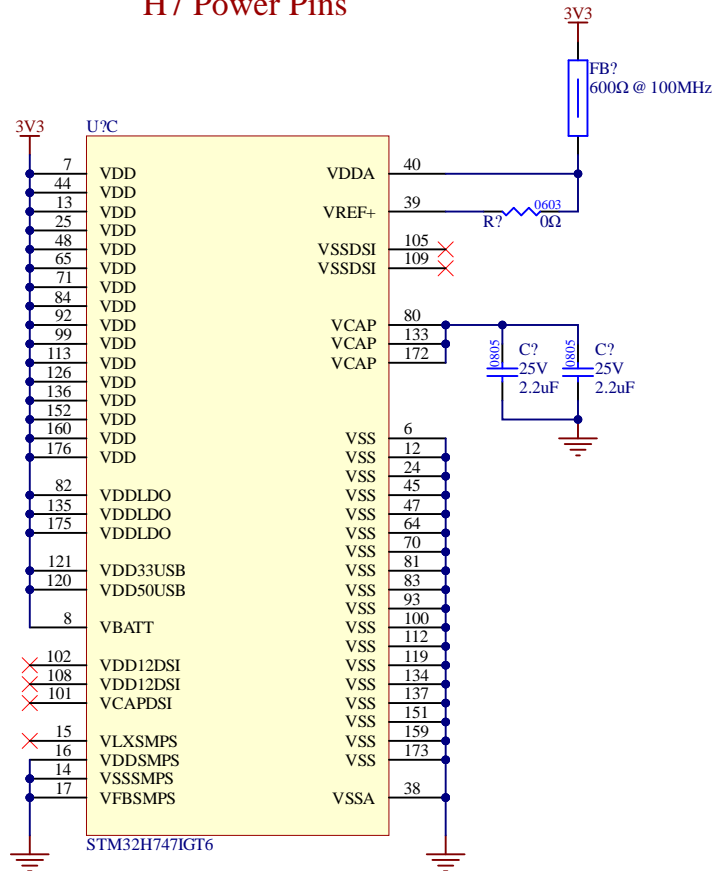
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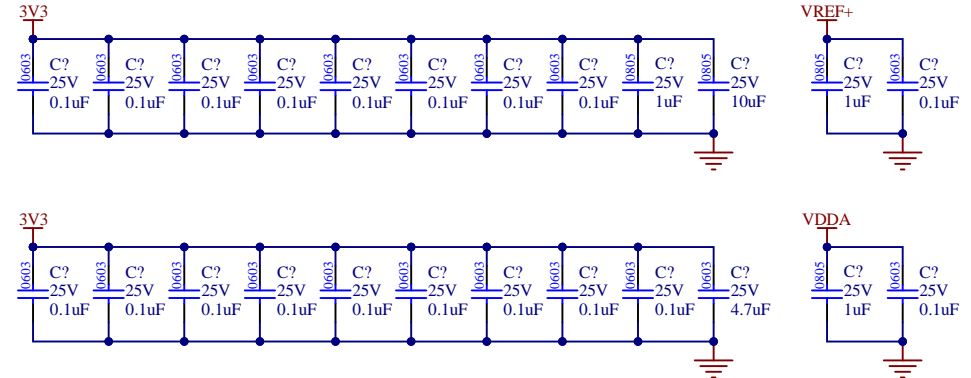
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H7 Power Pins



H7 Bypass Capacitors



^A VDD Bypass: (0.1uF x 16) + (10uF x 1)
 VDDLDO Bypass: 4.7uF x 1
 VDDUSB Bypass: (0.1uF x 1) + (1uF x 1)
 Should be placed as close as possible to each VDD pin.

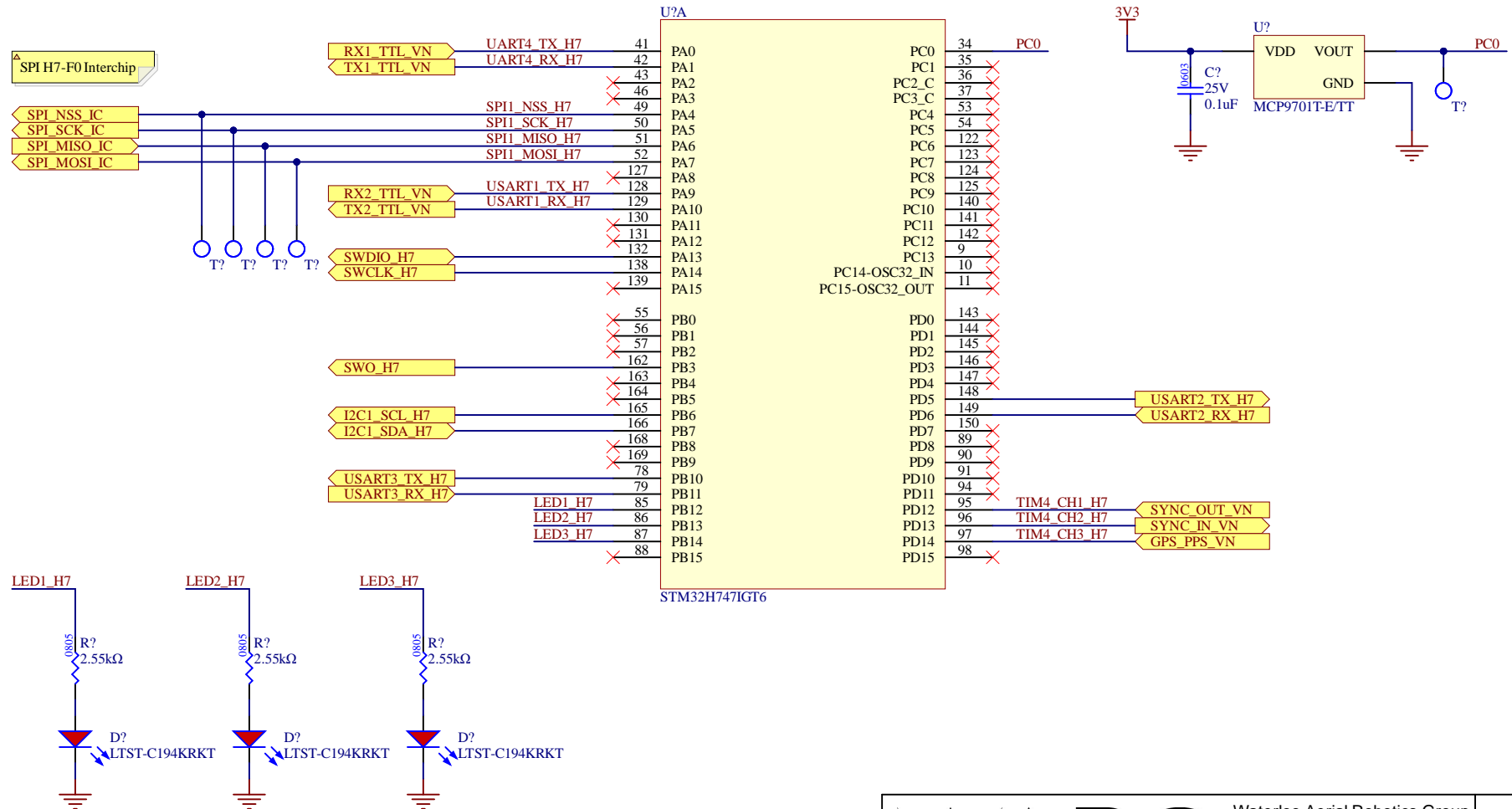


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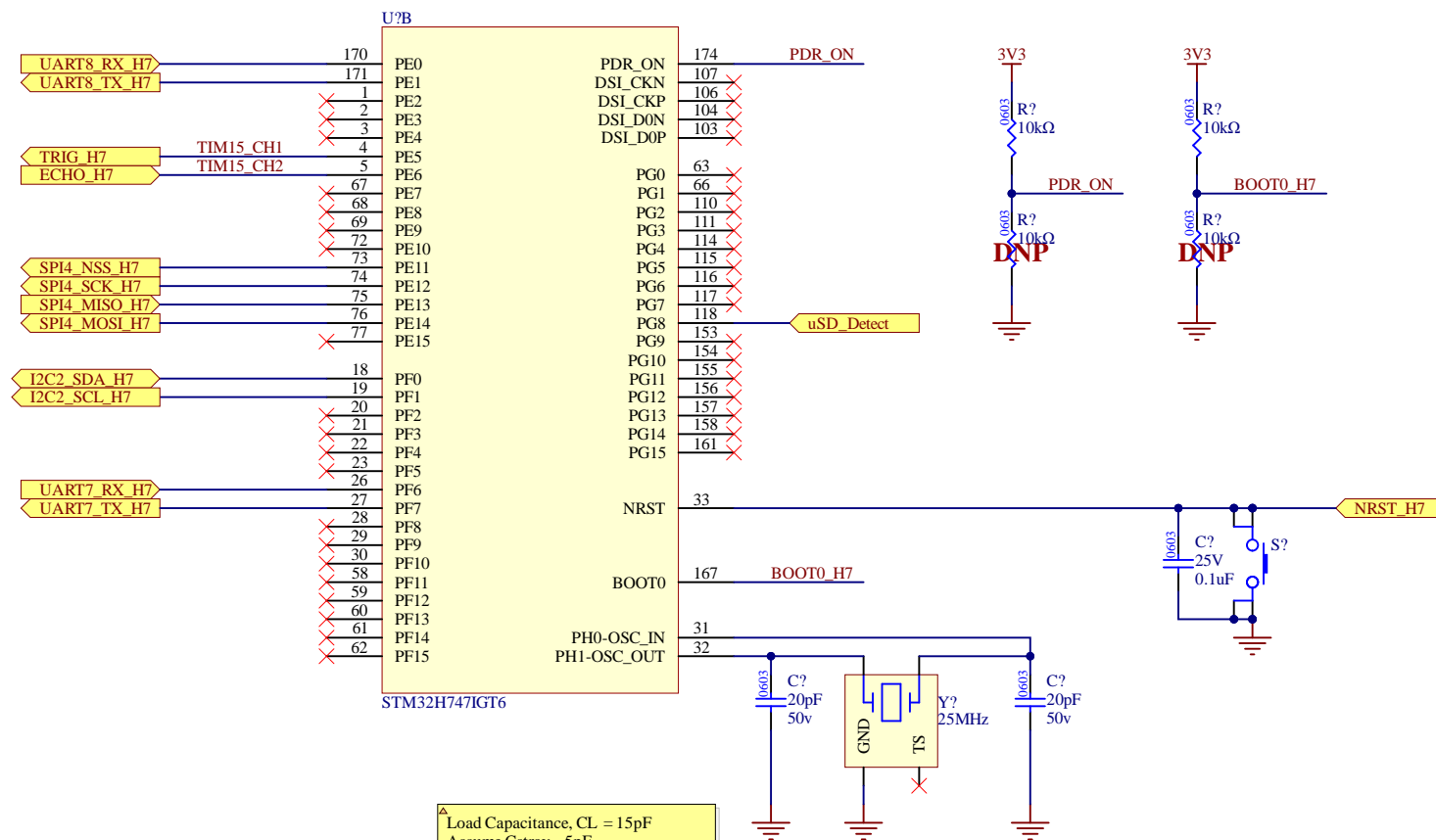
PROJECT Zeropilot 2.0.PrjPcb, [No Variations]		REVISION *
DOCUMENT H7Power.SchDoc		MODIFIED 11/6/2021
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Zeropilot 2.0



$$R = (3.3V - 2.0V) / (0.5mA) = 2.6k\Omega$$

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DOCUMENT H7PartA.SchDoc		MODIFIED 11/8/2021	
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H7PartB.SchDoc

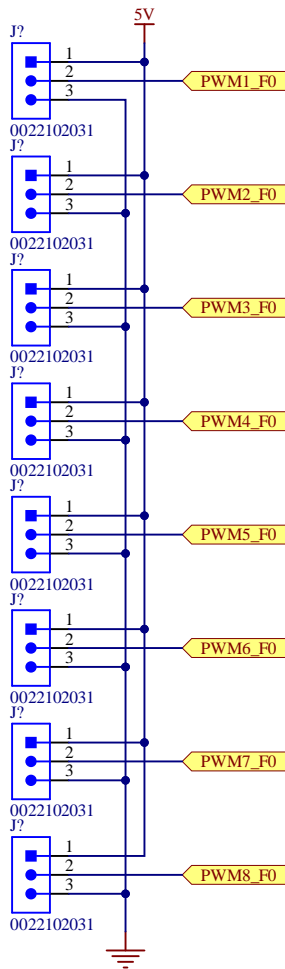
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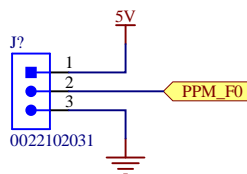
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PWM Connectors

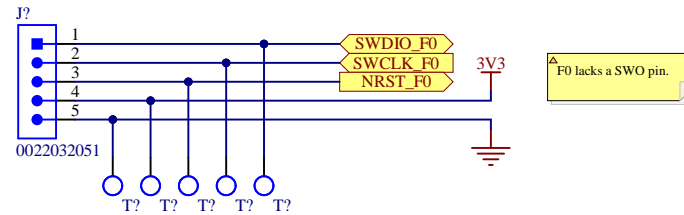


PPM Connector

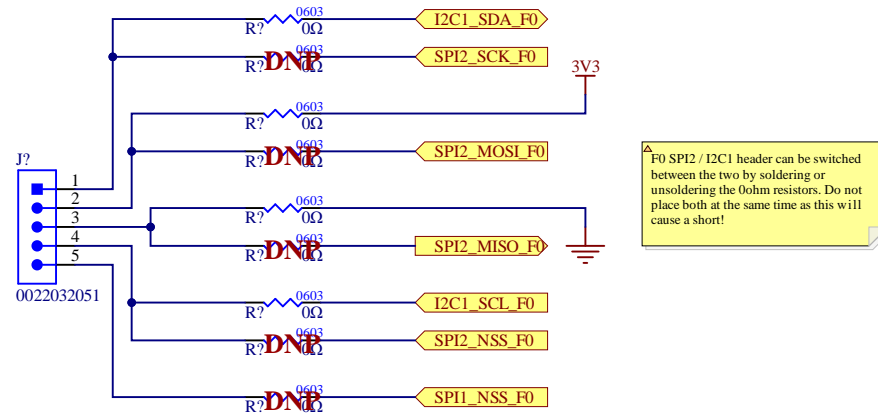




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SWD/SWO Connector



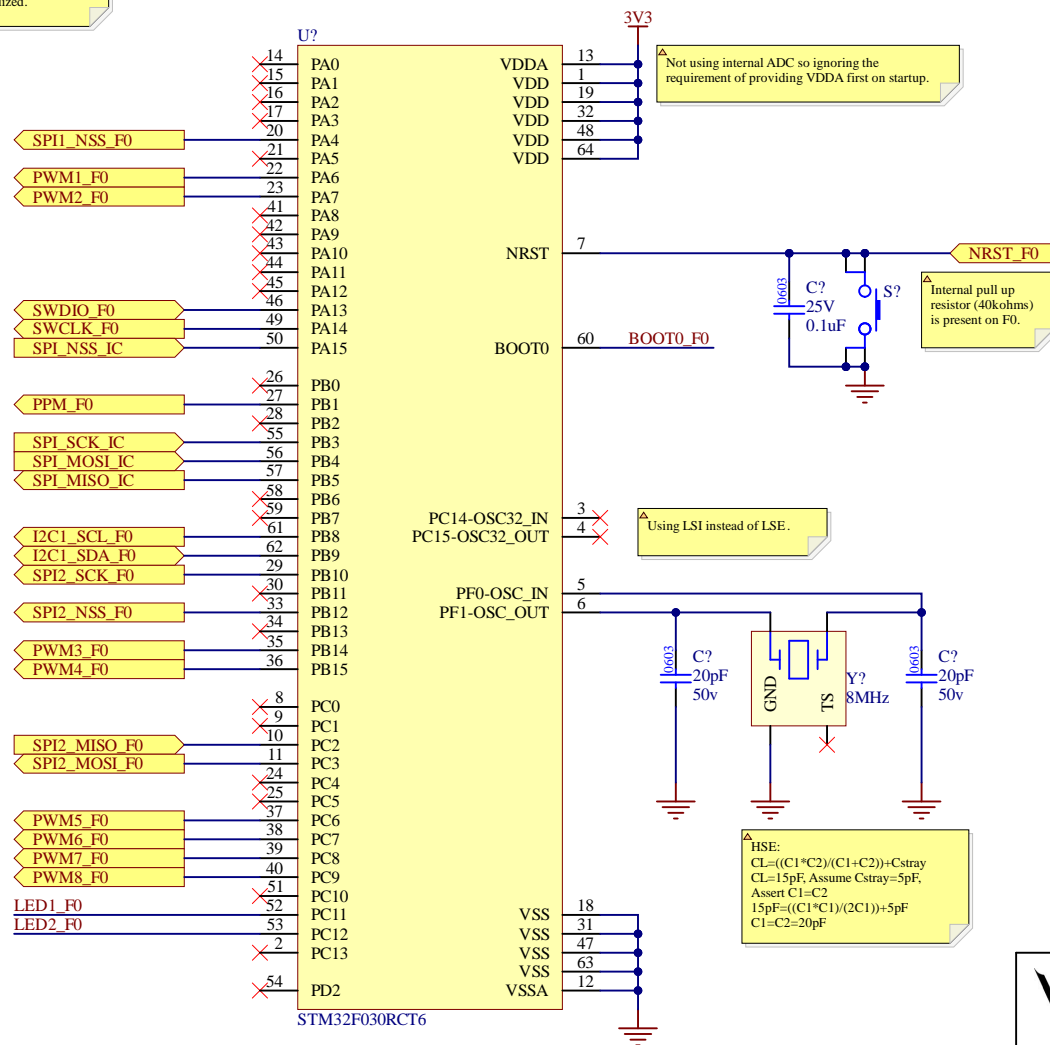
SPI/I2C Connector



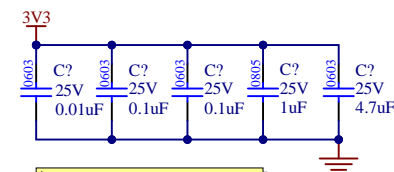
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SHEET		8 OF 9		



▲ Add notes detailing pinout once finalized.

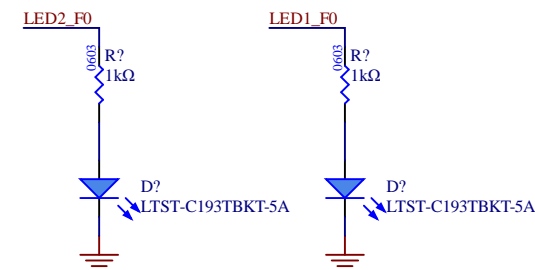


F0 Bypass Capacitors



▲ Decoupling capacitor placement guide is found in the datasheet on page 42 of the datasheet.

F0 Debugging LEDs



▲ $R = (3.3V - 2.8V) / (0.5mA) = 1k\Omega$

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