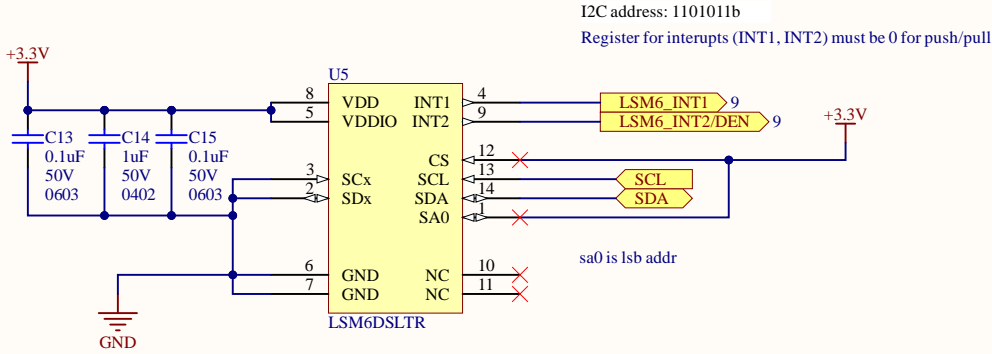
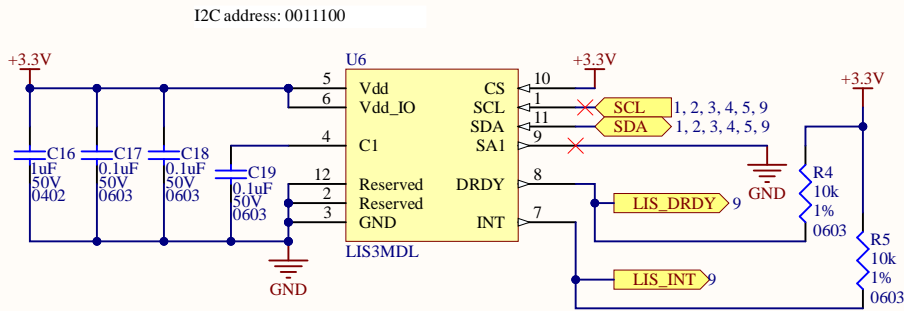
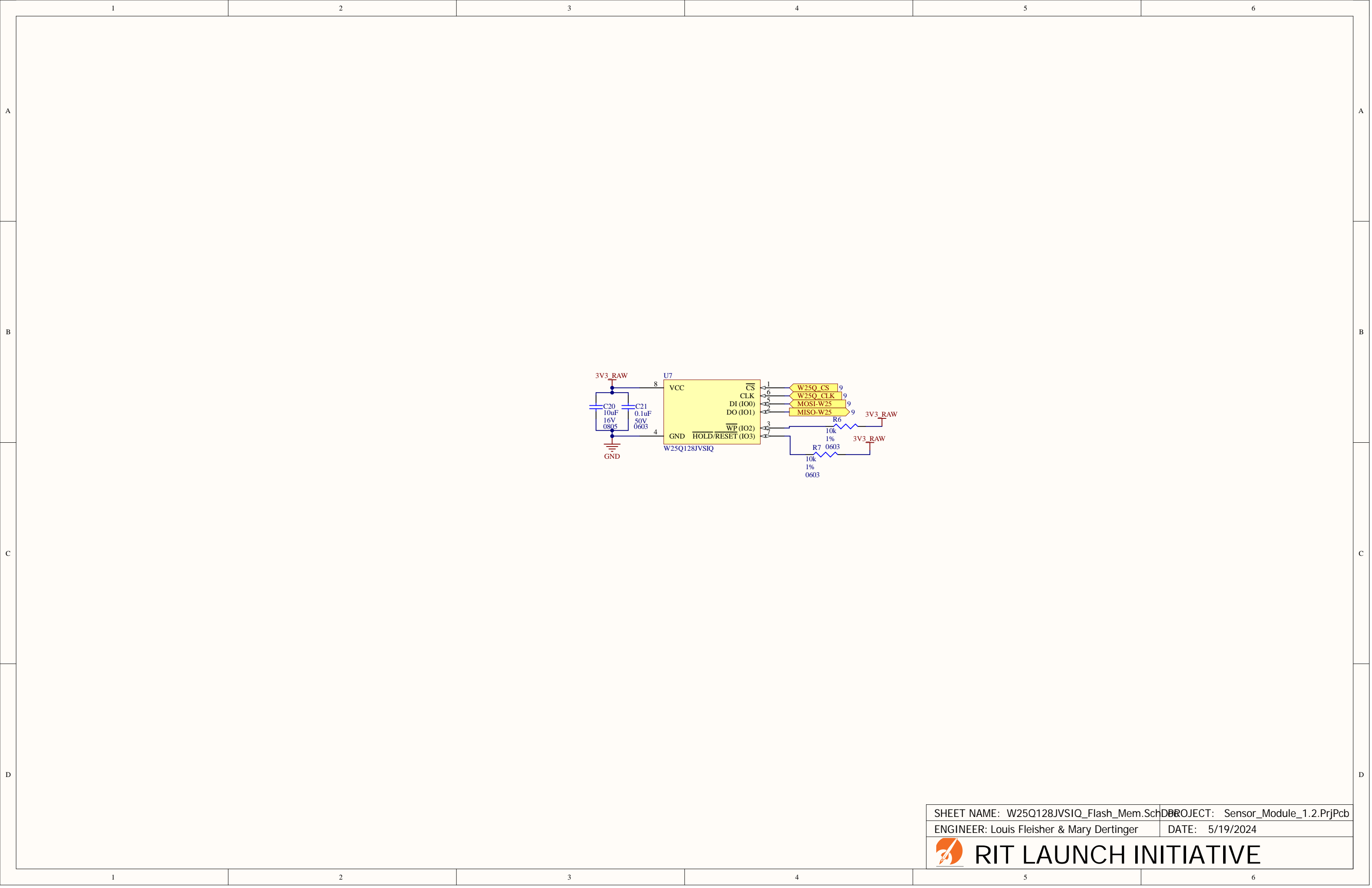


- Place Pads vertically along air flow.
4. If the device is used to measure still air temperature:
- Miniatuize the board to reduce thermal mass. Smaller thermal mass results in faster thermal response.
 - Place two copper planes of equal size to the top and bottom of the exposed pad.
 - Remove the top solder mask.
 - To prevent oxidation, cover any exposed copper with solder paste.
 - Thermal isolation is required to avoid thermal coupling from heat source components through the PCB.
 - Avoid running the copper plane underneath the temperature sensor.

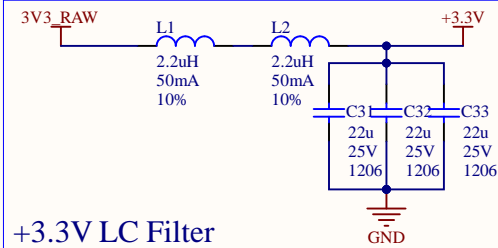
I2C address: 1001000x







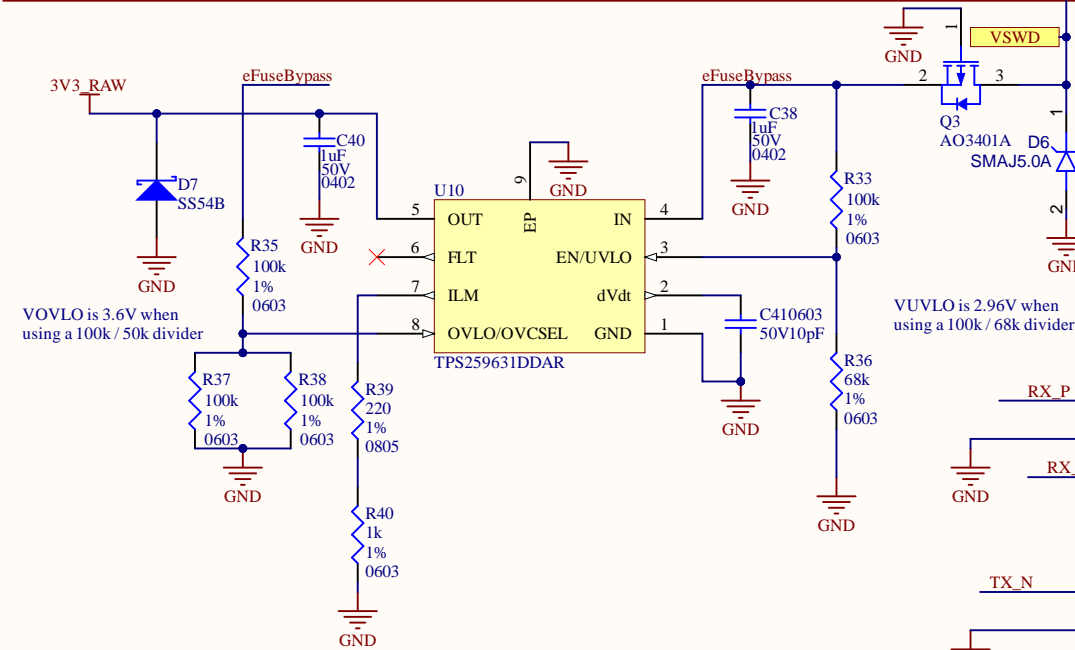
Digital-to-Analog Voltage



+3.3V LC Filter

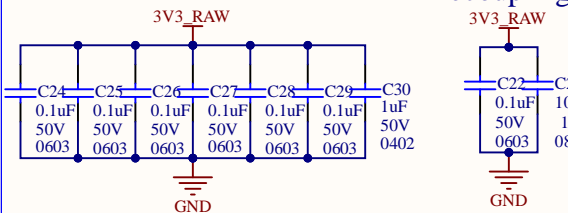
Description	PIN	Description
Battery Voltage	1 2	Battery Voltage
GND	3 4	GND
5v	5 6	5v
GND	7 8	GND
3v3	9 10	3v3
GND	11 12	GND
TX+	13 14	RX+
TX-	15 16	RX-
ADDR 0 (LSB)	17 18	ADDR 1
ADDR 2	19 20	ADDR 3 (MSB)
LED 0	21 22	LED 1
GPIO 0	23 24	GPIO 1
GPIO 2	25 26	GPIO 3
GPIO 4	27 28	GPIO 5
GPIO 6	29 30	GPIO 7

Backplane Connector



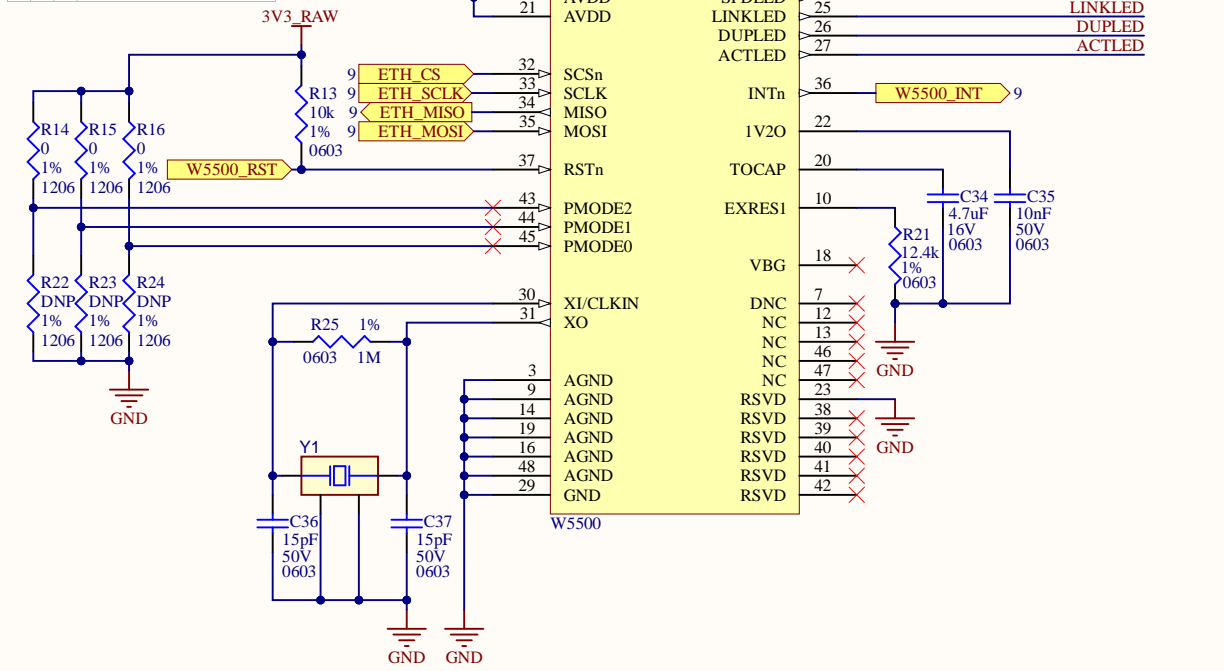
3.3V Rail Protection

VRAW Decoupling

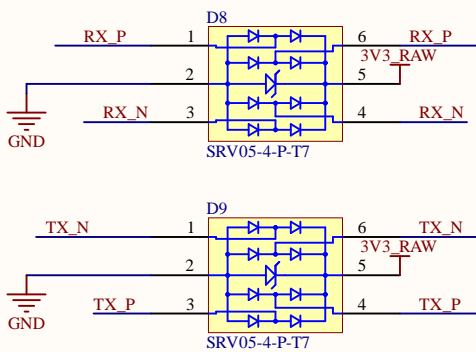
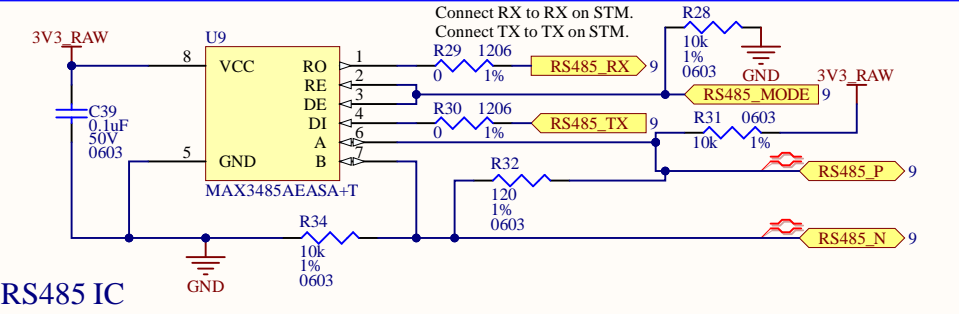


WIZNet W5500

PMODE [2:0]	Description
2 1 0	10BT Half-duplex, Auto-negotiation disabled
0 0 0	10BT Full-duplex, Auto-negotiation disabled
0 1 0	10BT Half-duplex, Auto-negotiation disabled
0 1 1	10BT Full-duplex, Auto-negotiation disabled
1 0 0	100BT Half-duplex, Auto-negotiation enabled
1 0 1	Not used
1 1 0	Not used
1 1 1	All capable, Auto-negotiation enabled



RS485 IC



- MH1 Mounting_Hole_3mm_PT
- MH2 Mounting_Hole_3mm_PT
- MH3 Mounting_Hole_3mm_PT
- MH4 Mounting_Hole_3mm_PT

Mounting Holes

