

[illegible]

The diagram illustrates the pin configuration for the A1 A000067 module. It shows connections for power (+5V, +3V3), ground (GND), and various signals (SCL, SDA, AREF, GND3, HEAD_D13, PIN_D12, PIN_D11, PIN_D10, HEAD_D9, HEAD_D8, PIN_D7, HEAD_D6, PIN_D5, PIN_D4/CS2, SD_CS, HEAD_D3, PIN_D2, PIN_D1, PIN_D0, PRG_RX, PRG_TX, PIN_D21, PIN_D20, PIN_D19, PIN_D18, PIN_D17, PIN_D16, PIN_D15, PIN_D14, PIN_D22, PIN_D23, PIN_D24, PIN_D25, PIN_D26, PIN_D27, PIN_D28, PIN_D29, PIN_D30, PIN_D31, PIN_D32, PIN_D33, PIN_D34, PIN_D35, PIN_D36, PIN_D37, PIN_D38, PIN_D39, PIN_D40, PIN_D41, PIN_D42, PIN_D43, PIN_D44, PIN_D45, PIN_D46, PIN_D47, PIN_D48, PIN_D49, PIN_D50, PIN_D51, PIN_D52, PIN_D53, GND5, GND4).

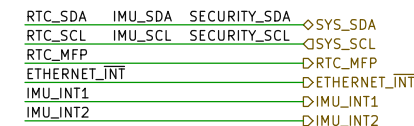
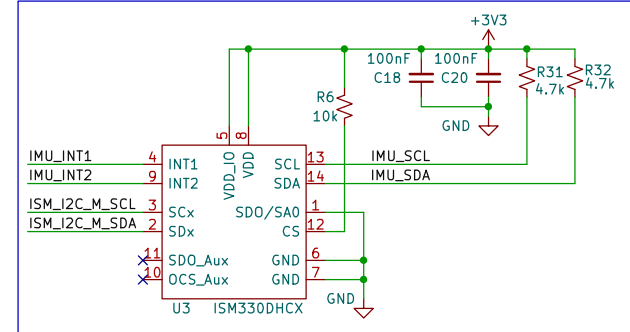
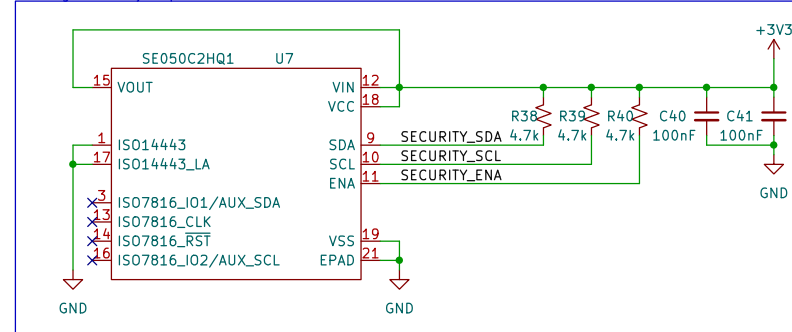
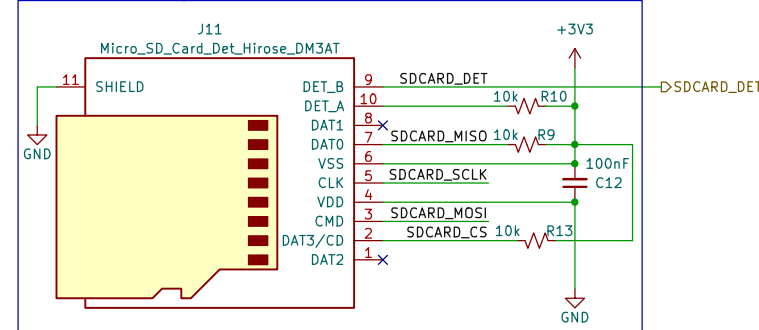
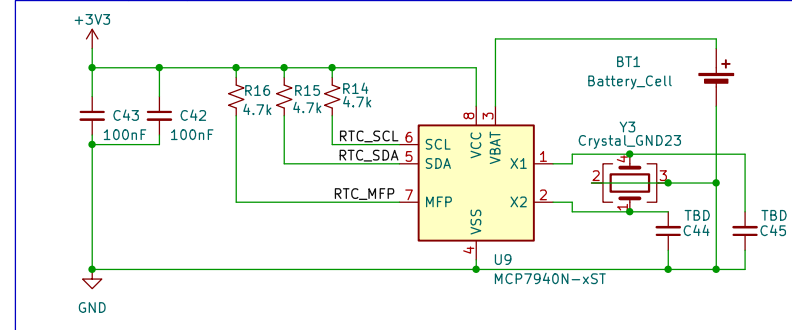
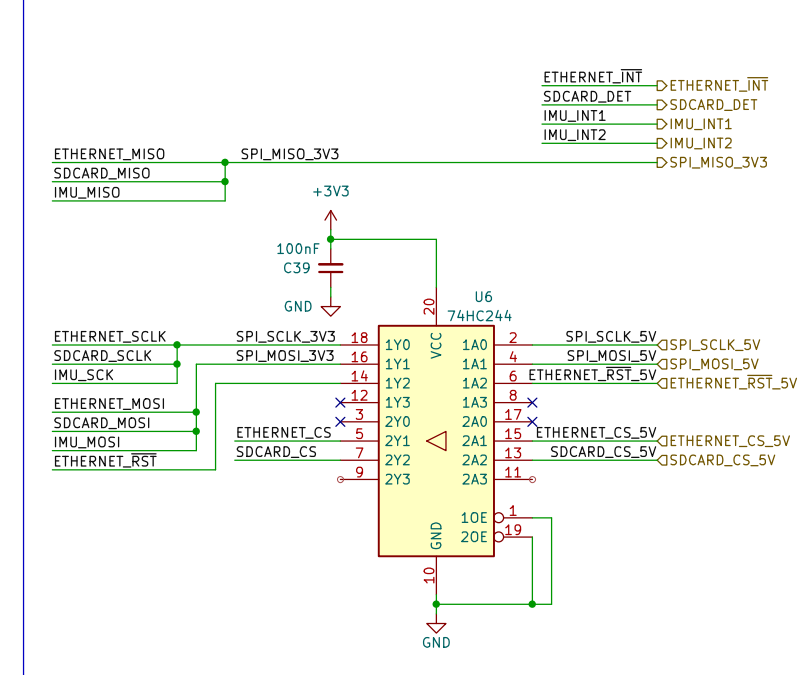
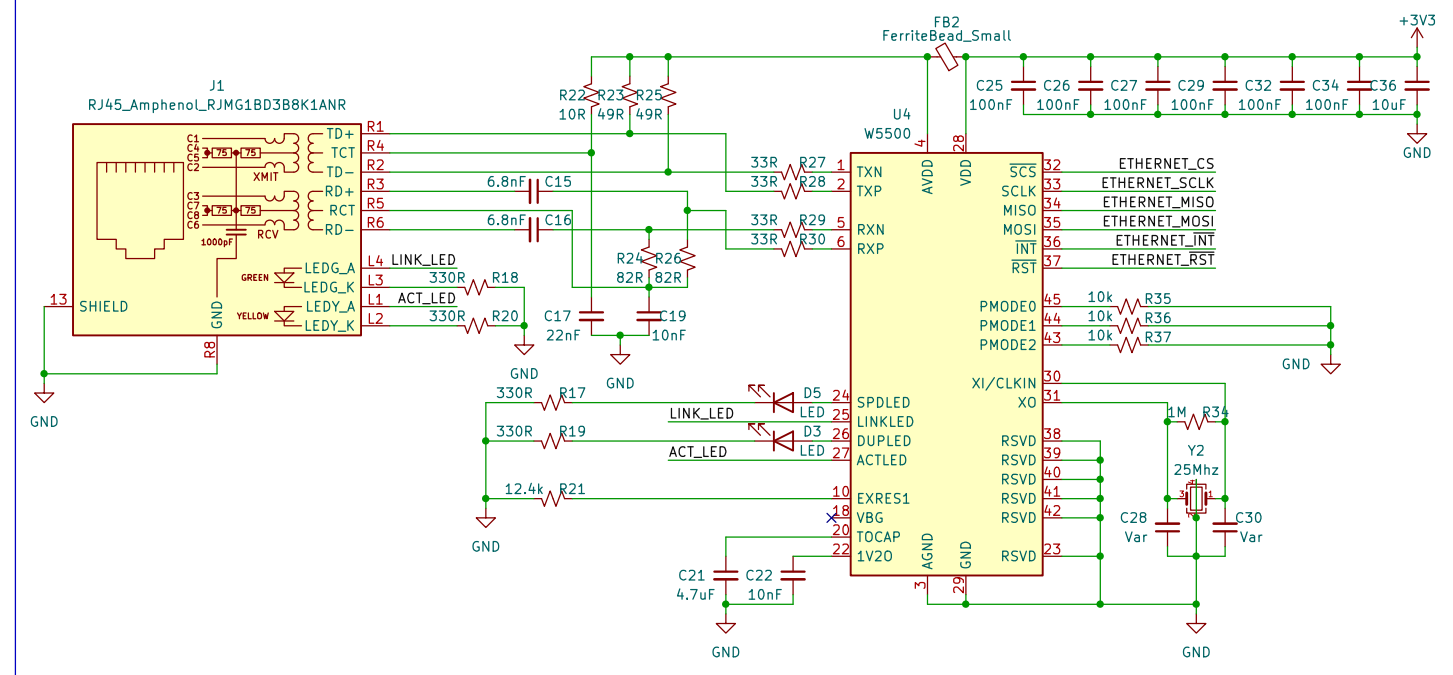
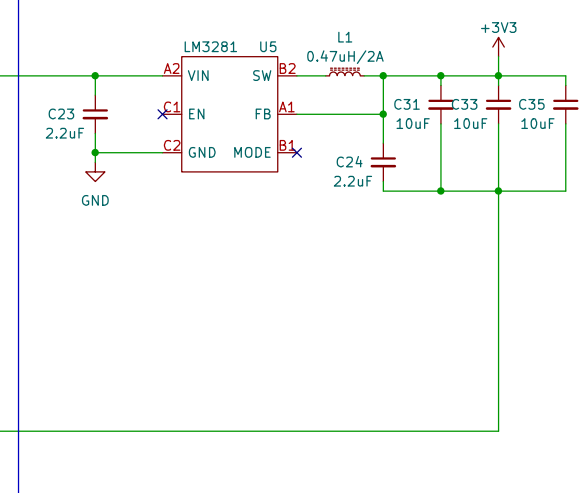
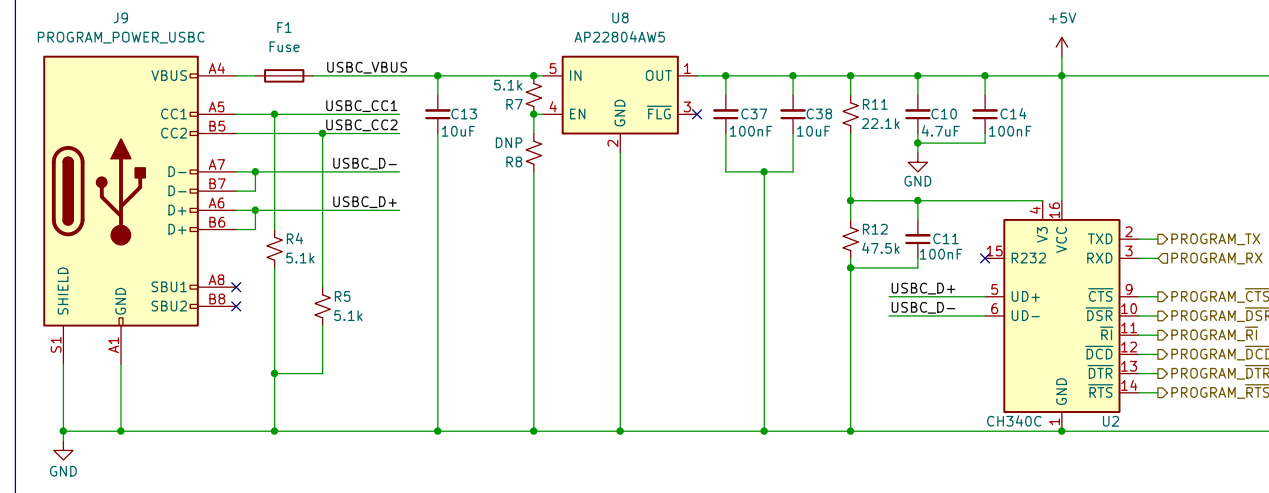
Power and Ground Connections:

- +5V:** Connected to IOREF0, IOREF1, MCU_RESE, 5V_1, GND1, GND2, VIN, PIN_A15, PIN_D22, PIN_D23, PIN_D24, PIN_D25, PIN_D26, PIN_D27, PIN_D28, PIN_D29, PIN_D30, PIN_D31, PIN_D32, PIN_D33, PIN_D34, PIN_D35, PIN_D36, PIN_D37, PIN_D38, PIN_D39, PIN_D40, PIN_D41, PIN_D42, PIN_D43, PIN_D44, PIN_D45, PIN_D46, PIN_D47, PIN_D48, PIN_D49, PIN_D50, PIN_D51, PIN_D52, PIN_D53, GND5, GND4.
- +3V3:** Connected to IOREF0, IOREF1, MCU_RESE, 5V_1, GND1, GND2, VIN, PIN_A15, PIN_D22, PIN_D23, PIN_D24, PIN_D25, PIN_D26, PIN_D27, PIN_D28, PIN_D29, PIN_D30, PIN_D31, PIN_D32, PIN_D33, PIN_D34, PIN_D35, PIN_D36, PIN_D37, PIN_D38, PIN_D39, PIN_D40, PIN_D41, PIN_D42, PIN_D43, PIN_D44, PIN_D45, PIN_D46, PIN_D47, PIN_D48, PIN_D49, PIN_D50, PIN_D51, PIN_D52, PIN_D53, GND5, GND4.
- GND:** Connected to IOREF0, IOREF1, MCU_RESE, 5V_1, GND1, GND2, VIN, PIN_A15, PIN_D22, PIN_D23, PIN_D24, PIN_D25, PIN_D26, PIN_D27, PIN_D28, PIN_D29, PIN_D30, PIN_D31, PIN_D32, PIN_D33, PIN_D34, PIN_D35, PIN_D36, PIN_D37, PIN_D38, PIN_D39, PIN_D40, PIN_D41, PIN_D42, PIN_D43, PIN_D44, PIN_D45, PIN_D46, PIN_D47, PIN_D48, PIN_D49, PIN_D50, PIN_D51, PIN_D52, PIN_D53, GND5, GND4.

Signal Connections:

- SCL:** Connected to PIN_D21, SYS_SCL.
- SDA:** Connected to PIN_D20, SYS_SDA.
- AREF:** Connected to MCU_AREF_IN.
- GND3:** Connected to HEAD_D13, PIN_D12, PIN_D11, PIN_D10, HEAD_D9, HEAD_D8, PIN_D7, HEAD_D6, PIN_D5, PIN_D4/CS2, SD_CS, HEAD_D3, PIN_D2, PIN_D1, PIN_D0, PRG_RX, PRG_TX, PIN_D21, PIN_D20, PIN_D19, PIN_D18, PIN_D17, PIN_D16, PIN_D15, PIN_D14, PIN_D22, PIN_D23, PIN_D24, PIN_D25, PIN_D26, PIN_D27, PIN_D28, PIN_D29, PIN_D30, PIN_D31, PIN_D32, PIN_D33, PIN_D34, PIN_D35, PIN_D36, PIN_D37, PIN_D38, PIN_D39, PIN_D40, PIN_D41, PIN_D42, PIN_D43, PIN_D44, PIN_D45, PIN_D46, PIN_D47, PIN_D48, PIN_D49, PIN_D50, PIN_D51, PIN_D52, PIN_D53, GND5, GND4.
- ETHER_CS:** Connected to PIN_D10.
- ETHER_RST:** Connected to PIN_D7.
- SD_CS:** Connected to PIN_D4/CS2.
- PRG_RX:** Connected to PIN_D1.
- PRG_TX:** Connected to PIN_D0.
- SPL_MISO:** Connected to PIN_D50.
- SPL_SCLK:** Connected to PIN_D52.

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