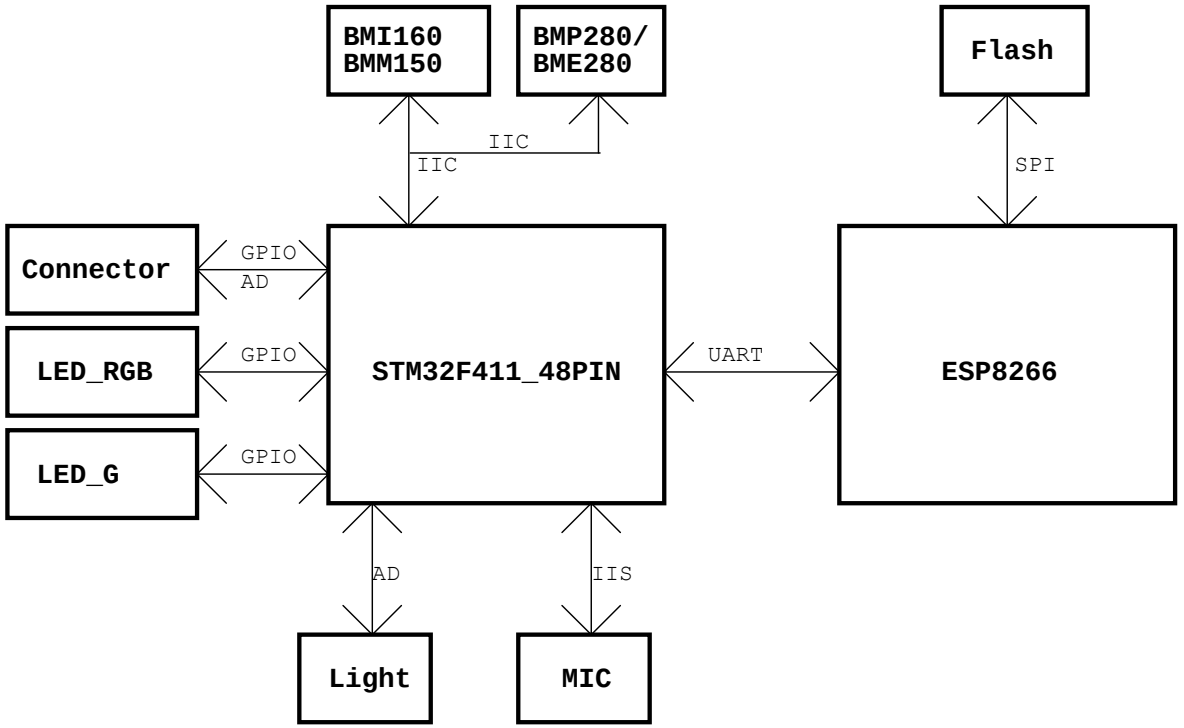
IntoRobot-Neutron Schematic



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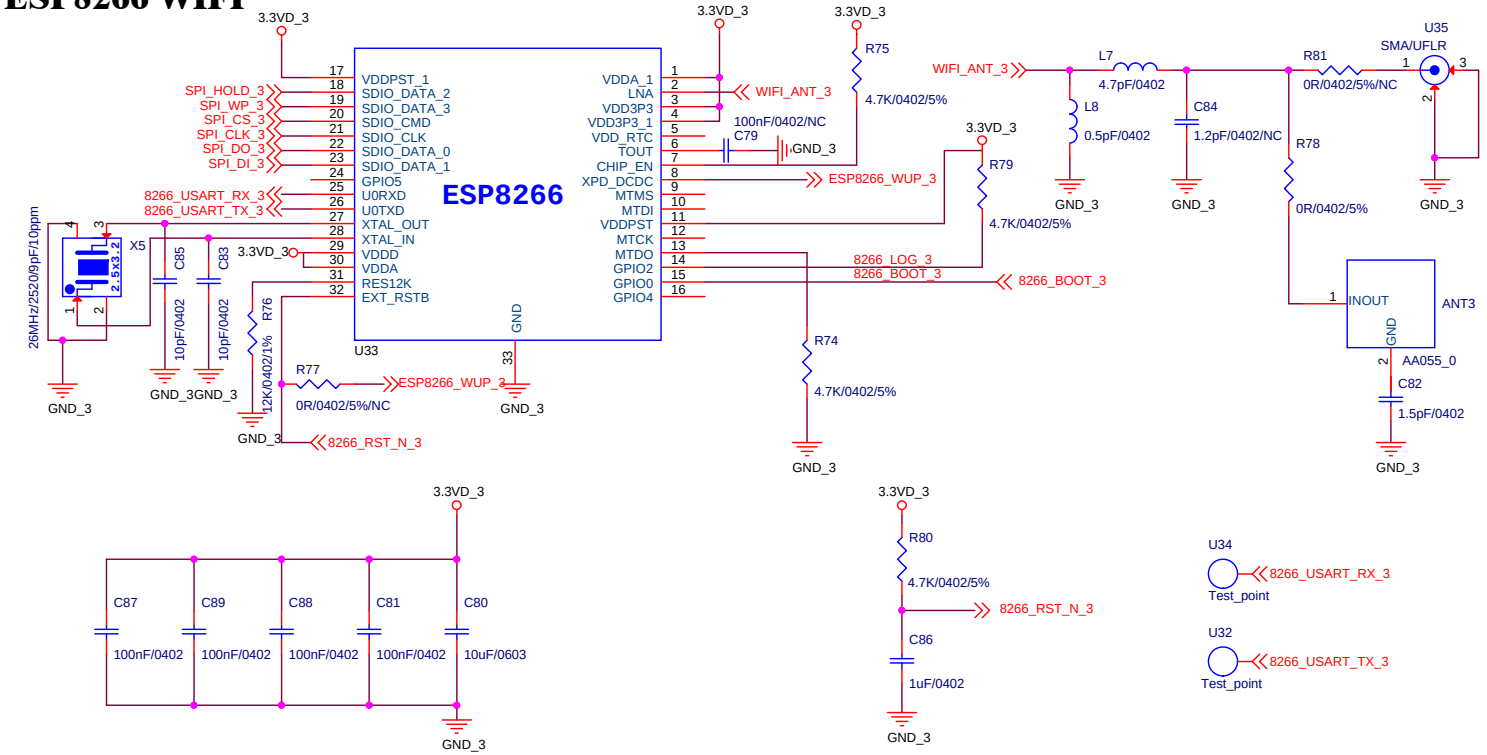
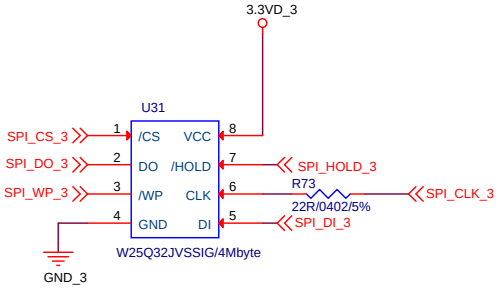
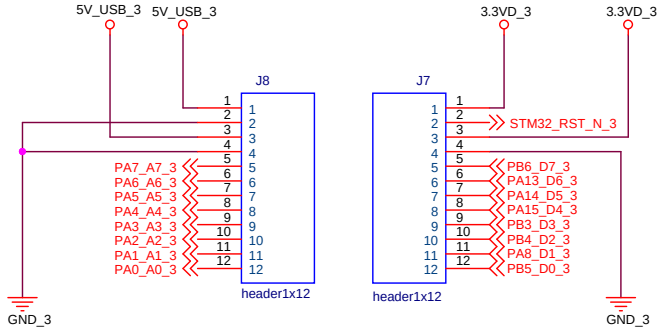
ESP8266 WIFI



SPI FLASH



GPIO



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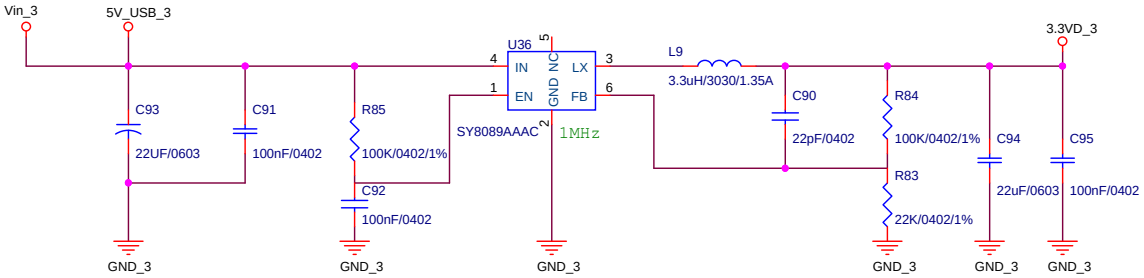
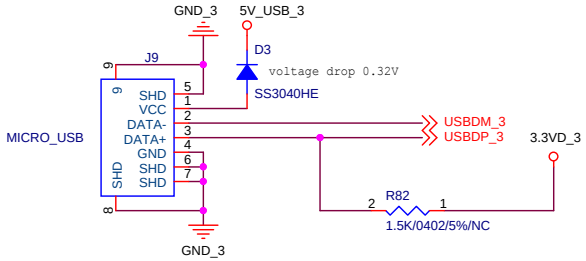
DC-DC
5V---3.3V



3.3V for System Power

USB
2.0



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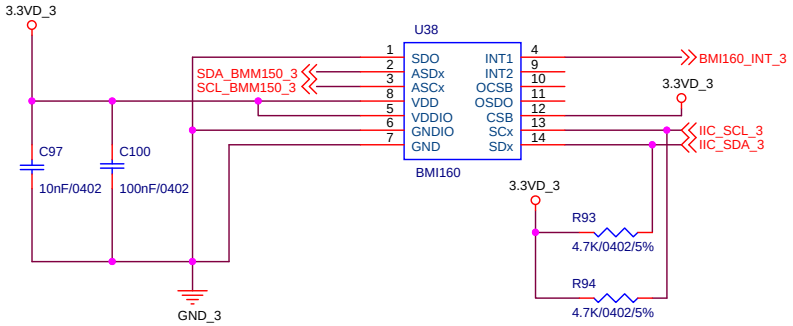
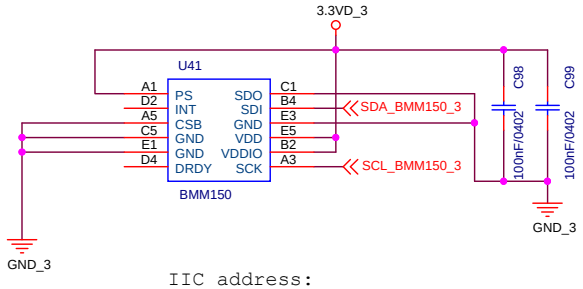
BMI160 GYROSCOPE AND ACCELEROMETER SENSOR



IIC address 0b1101000 (0x68)
SDO pin is pulled to 'GND'

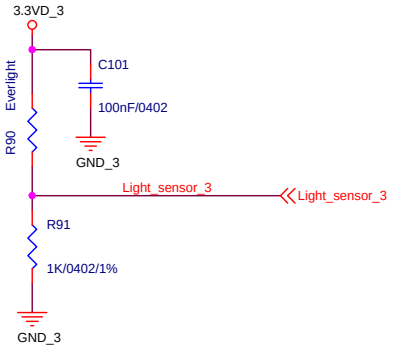
BMM150 GEOMAGNETIC SENSOR



IIC address:

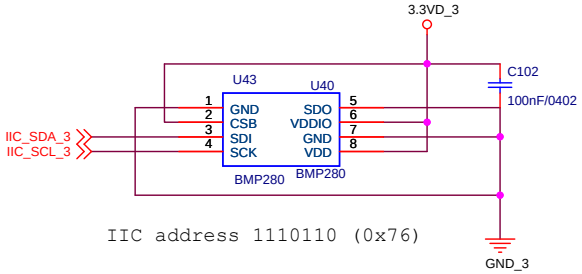
CSB	SDO	I2C address
GND	GND	0x10
GND	VDDIO	0x11
VDDIO	GND	0x12
VDDIO	VDDIO	0x13

LIGHT SENSOR



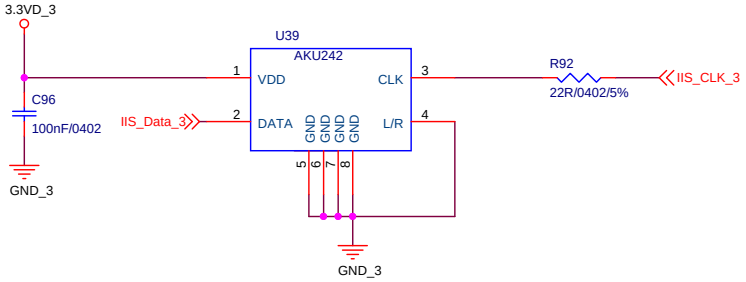
PO188
ALS-PT19-315C/L177/TR8
LX1972

BMP280 PRESSURE SENSOR



IIC address 1110110 (0x76)

MIC



AKU240 CLK 1-3.25MHz

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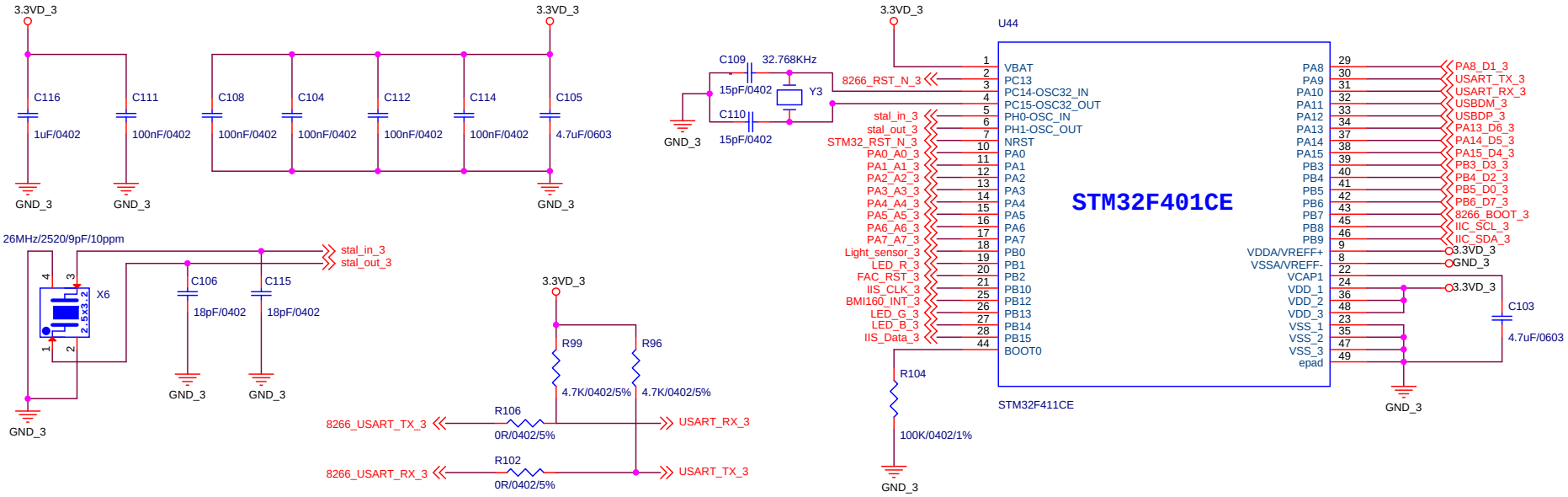
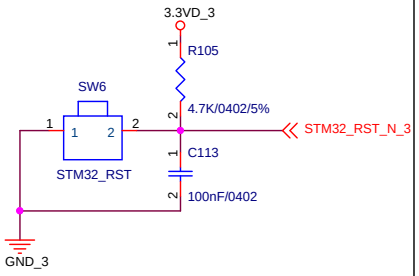
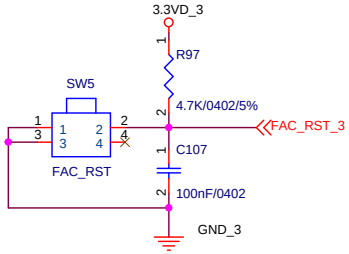
STM32



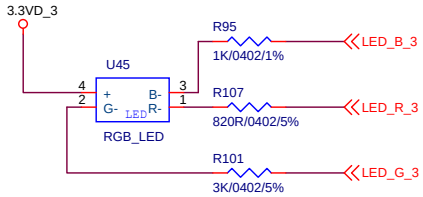
SMT32 RESET



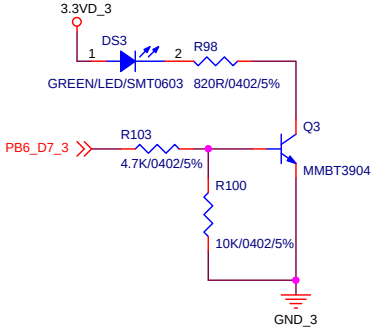
DEFAULT RESET



RGB LED



EXAMPLE LED



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