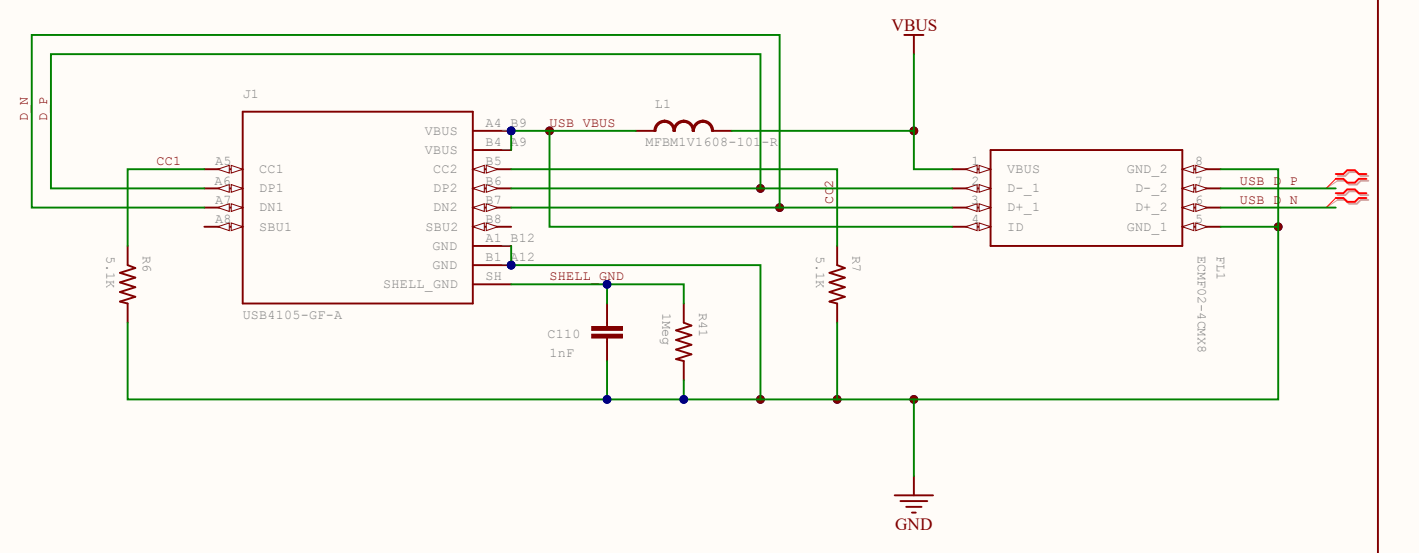
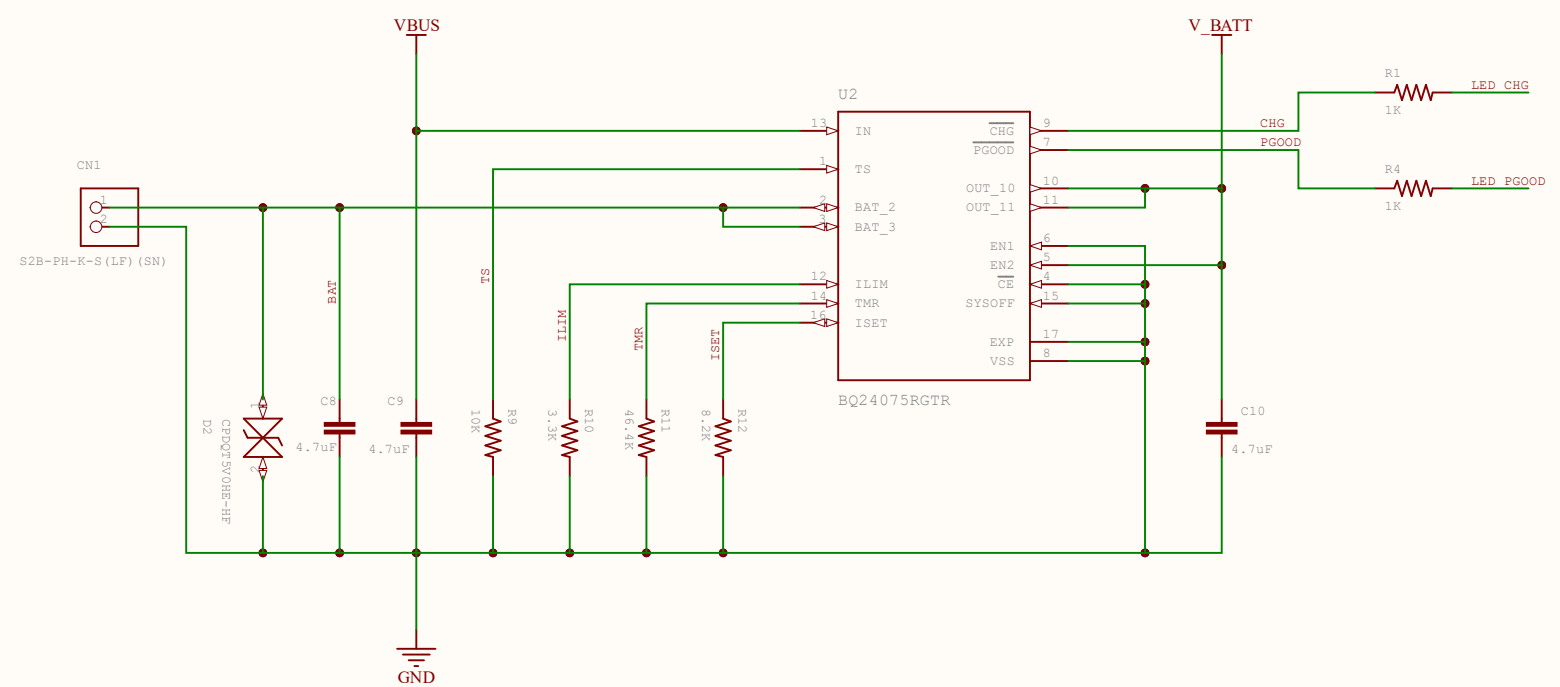


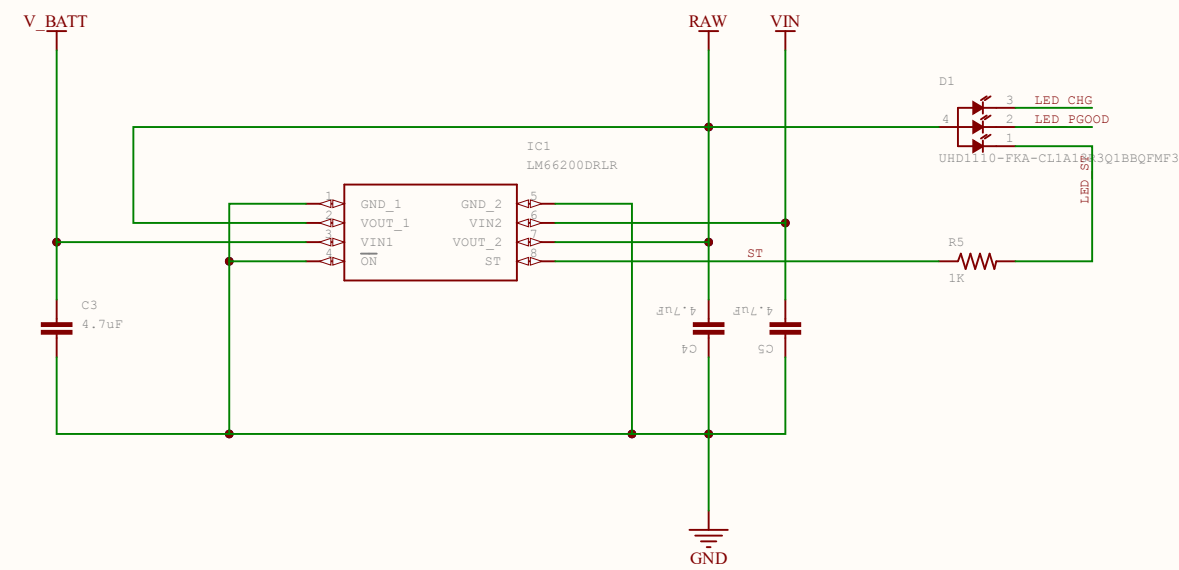
USB Connector



Battery Charging

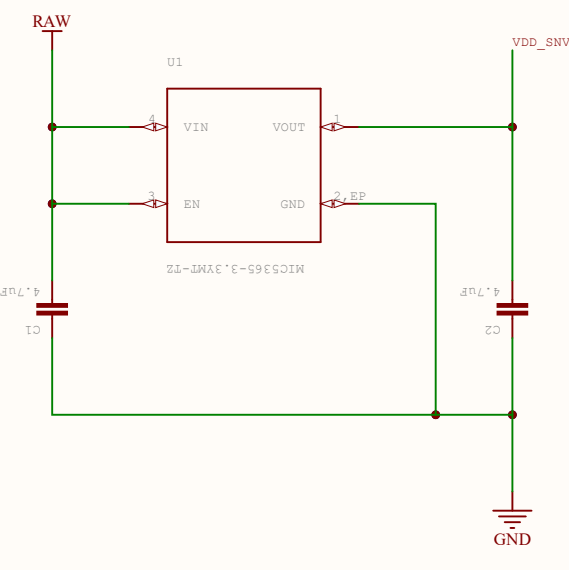


Ideal Diode

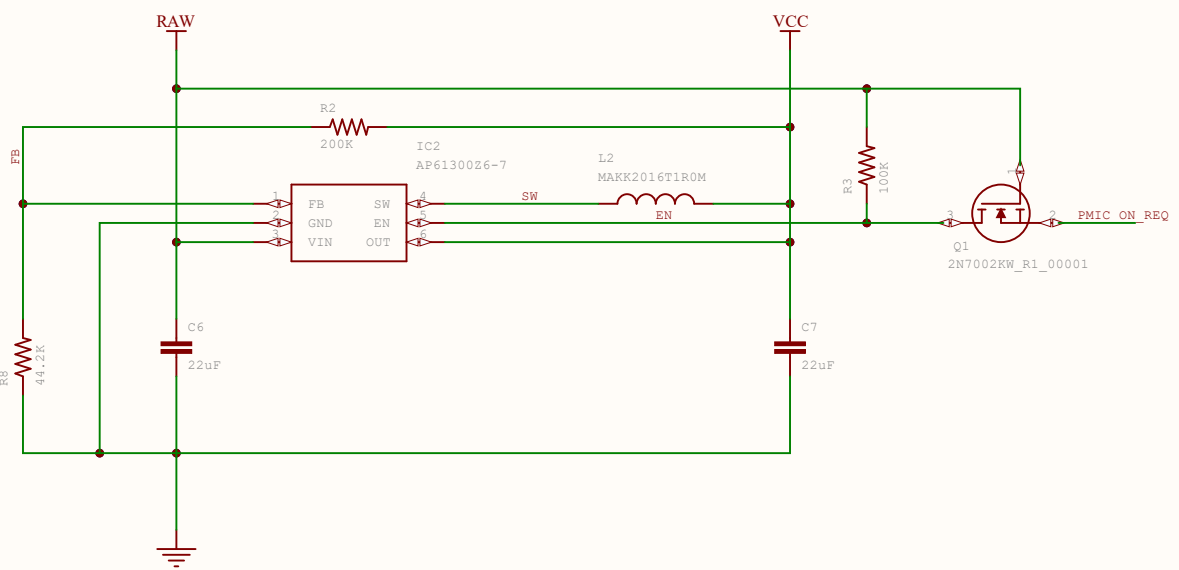


* Red LED = Charging
* Green LED = USB Power
* Blue LED = VIN Power

SNVS Reg

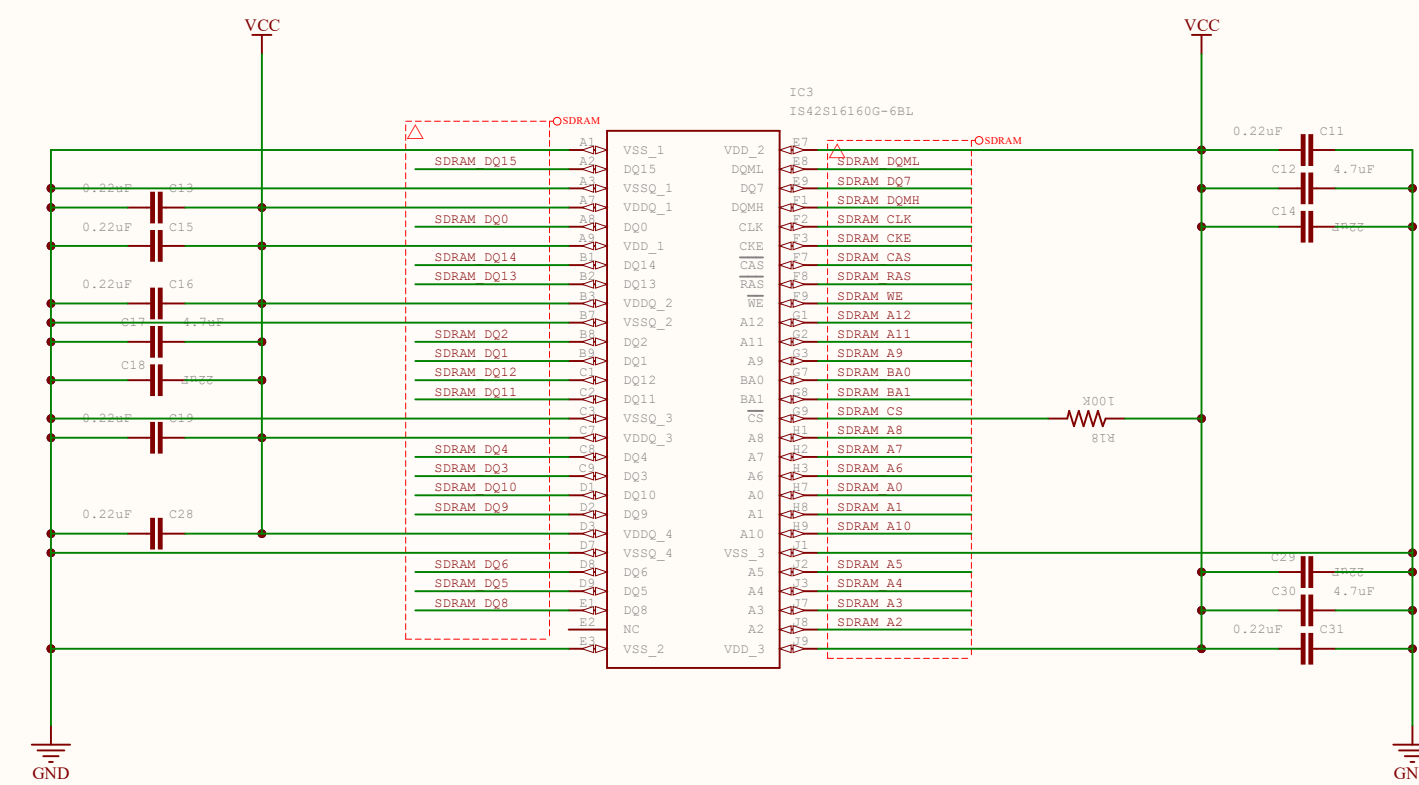


Main Regulator



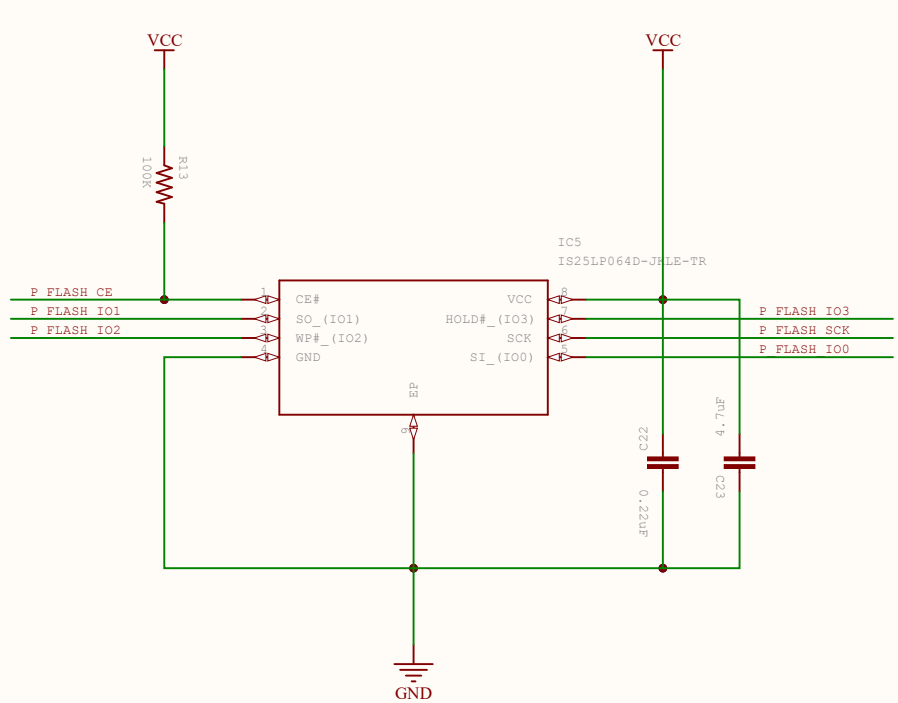
* PMIC_REG_ON is level shifted to ensure regulator goes into PPM mode

16-BIT SDRAM

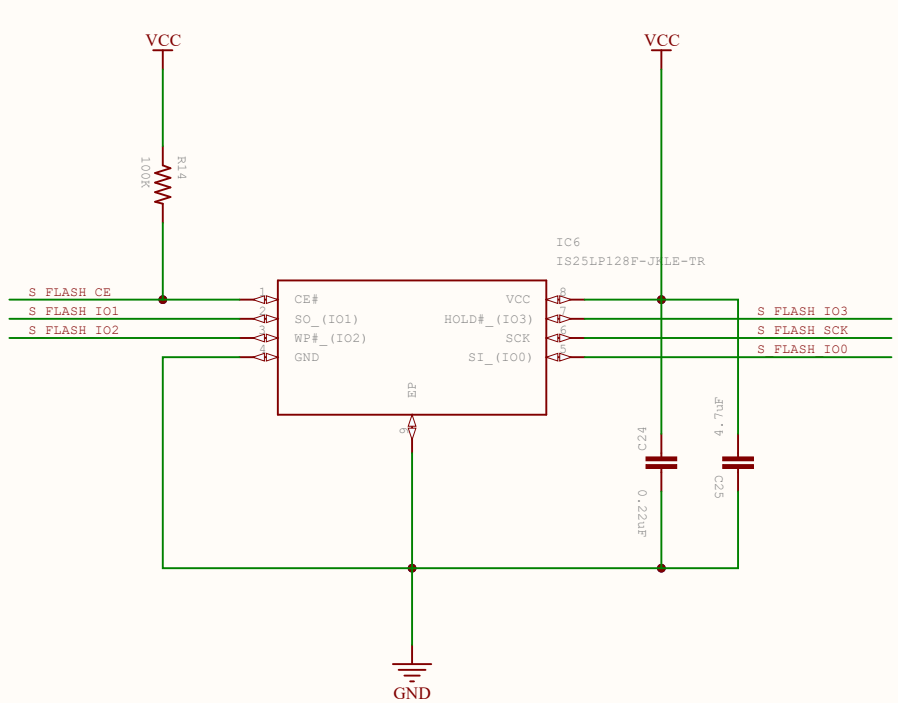


* CKE is pulled down by 100K on the RT1052

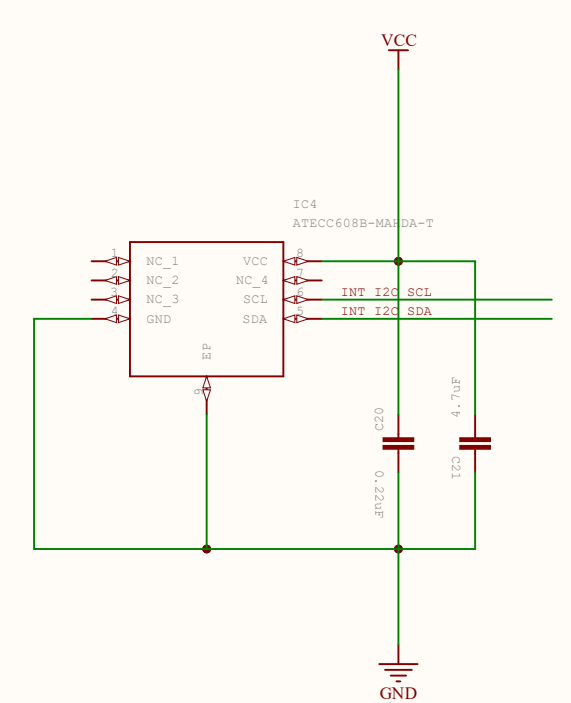
Program QSPI Flash



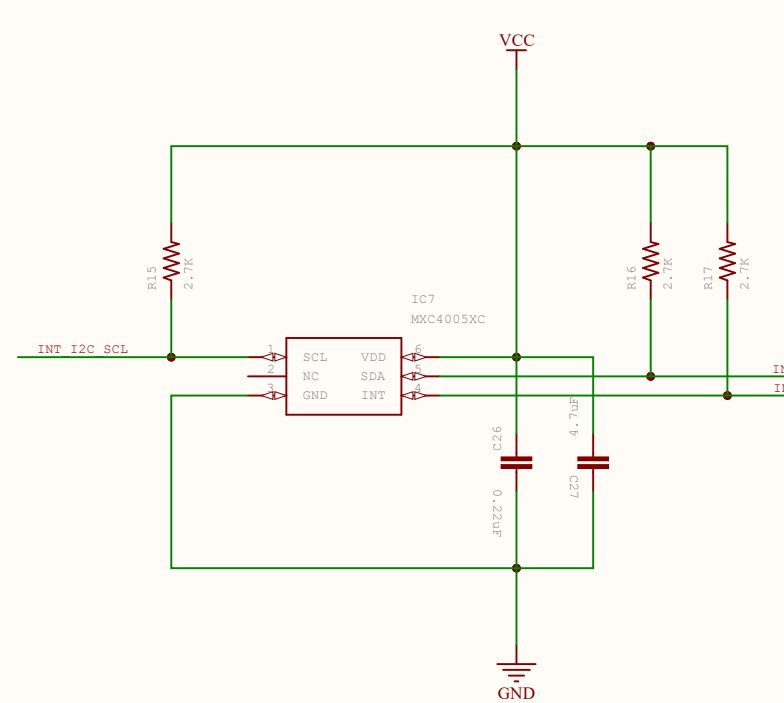
Storage QSPI Flash



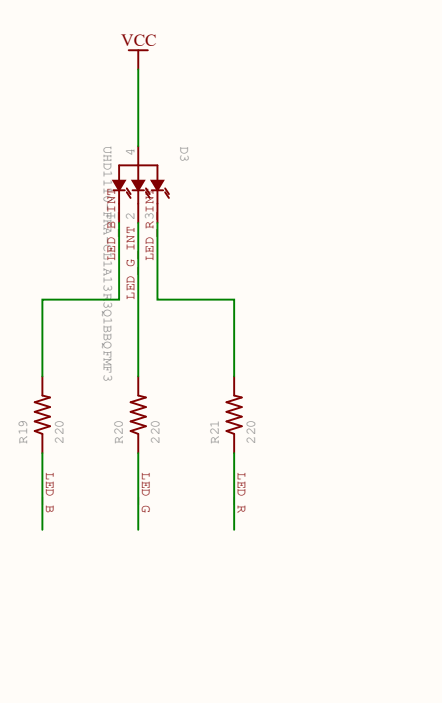
Security



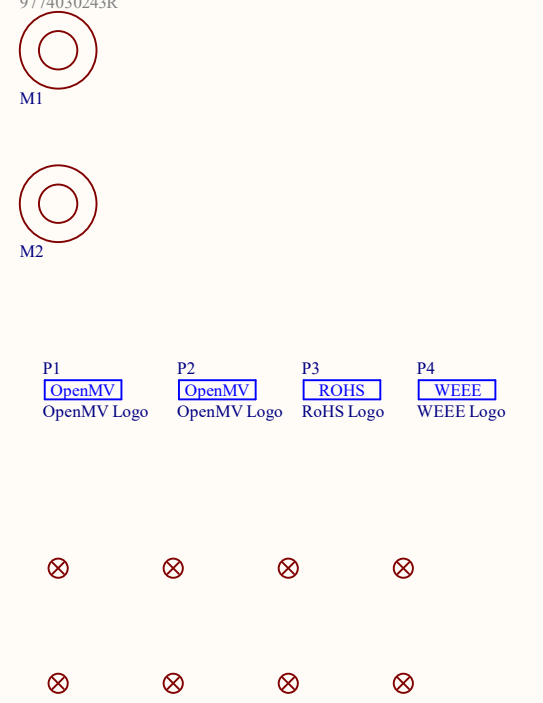
Accelerometer



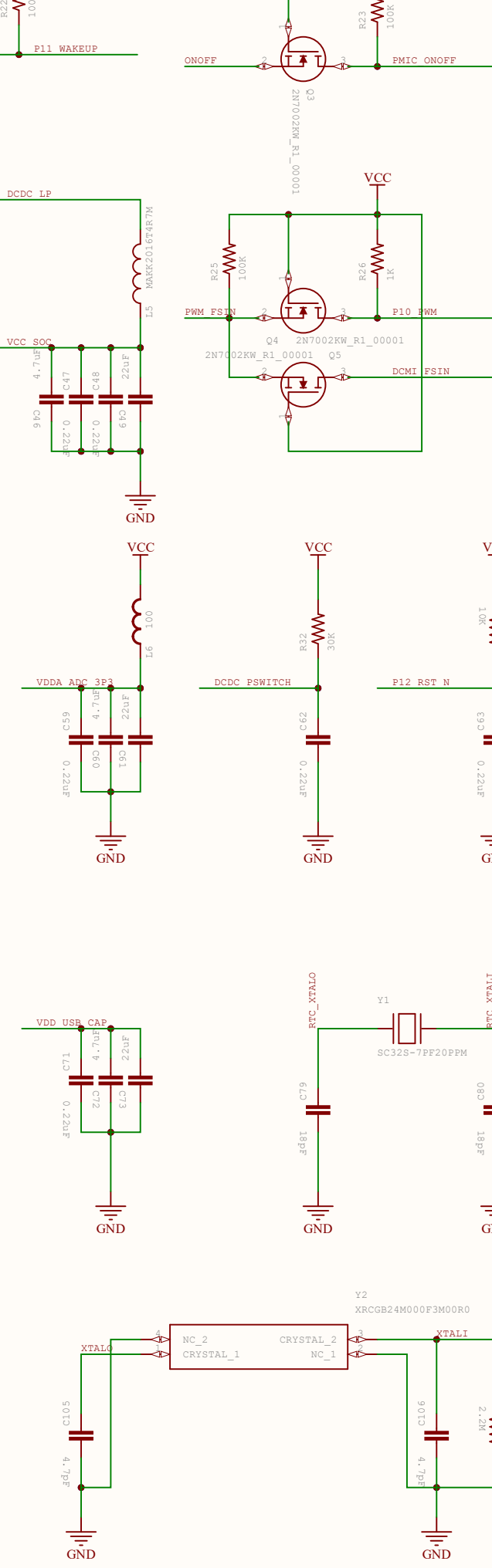
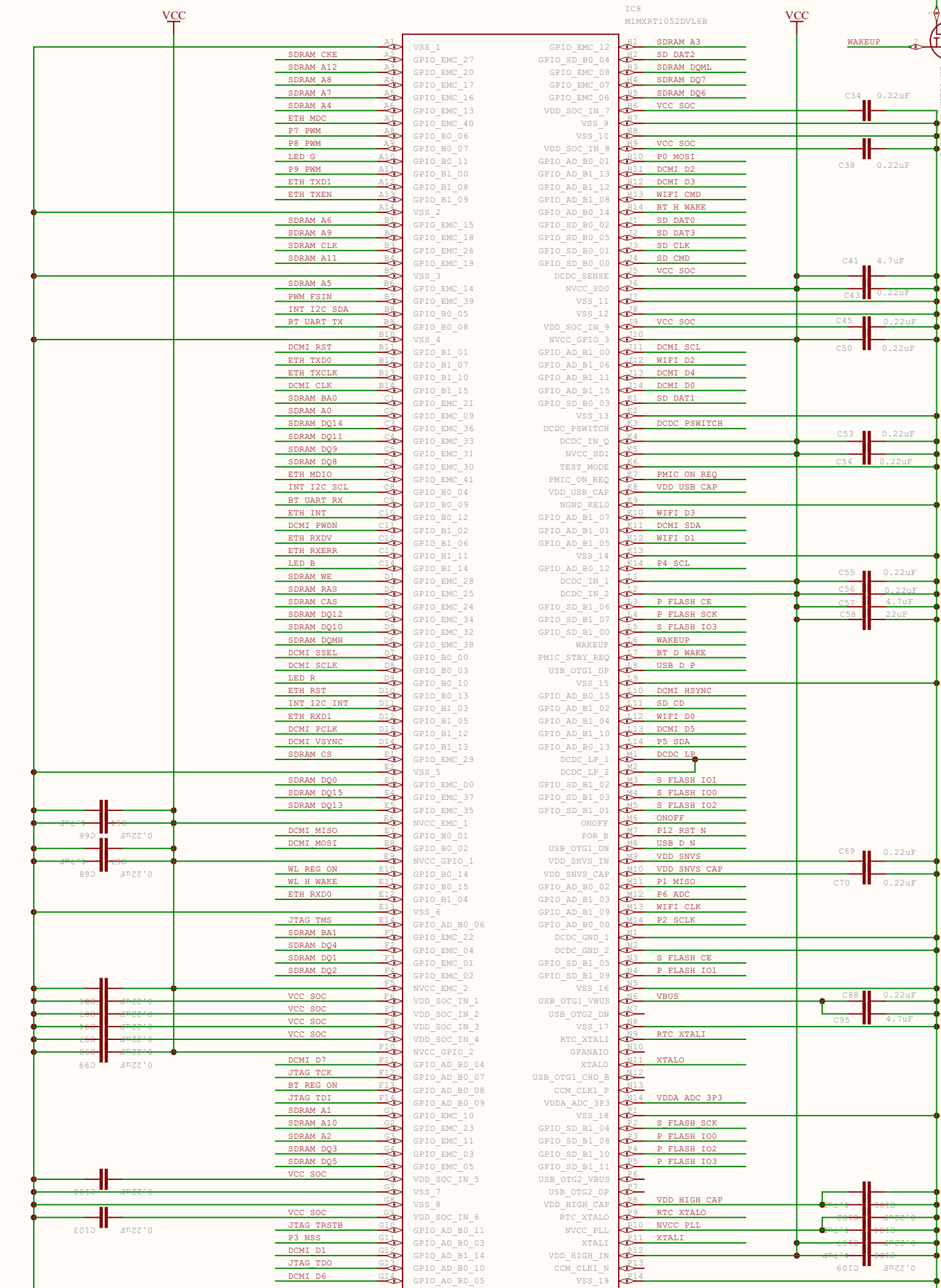
RGB LED



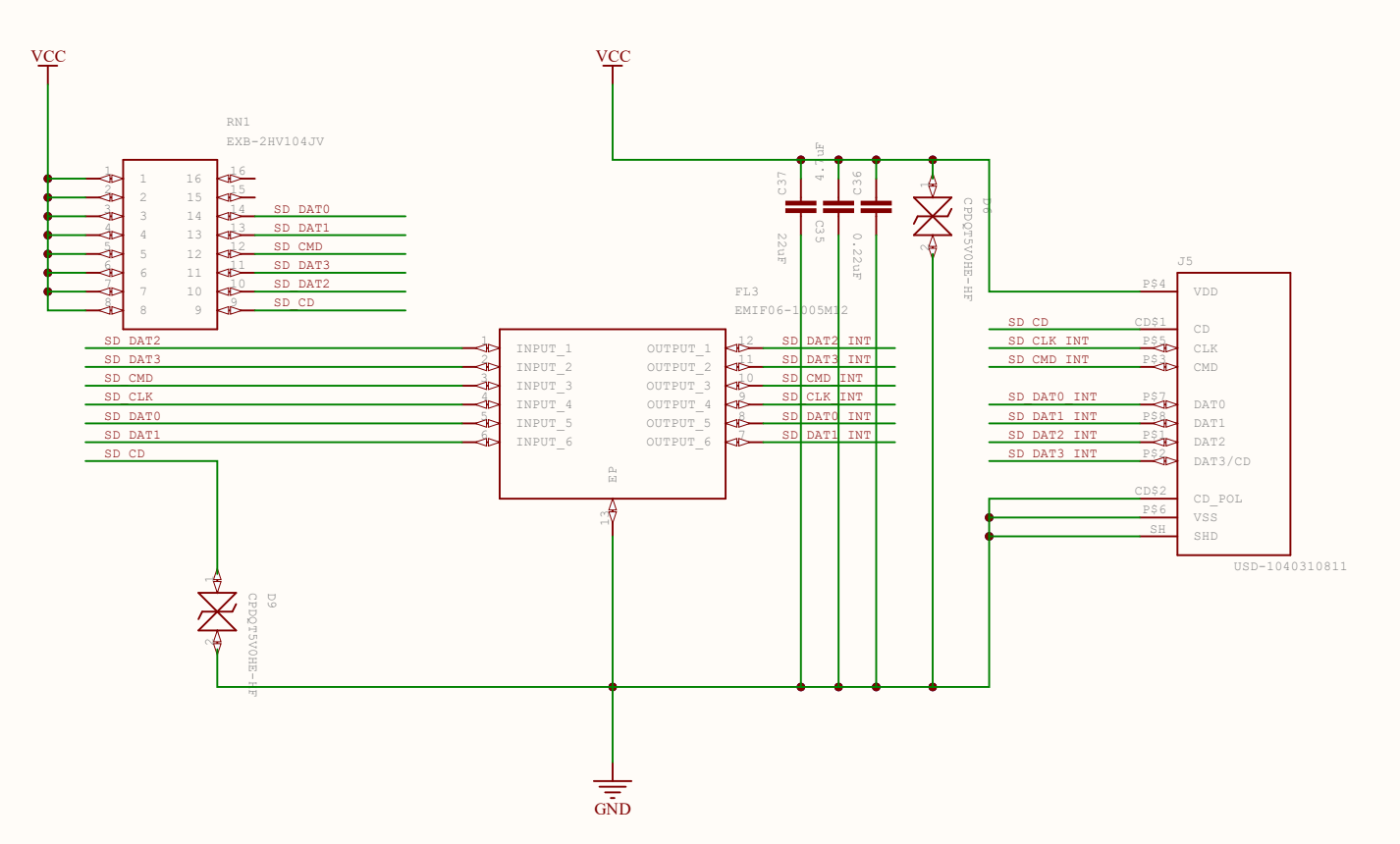
Mechanical



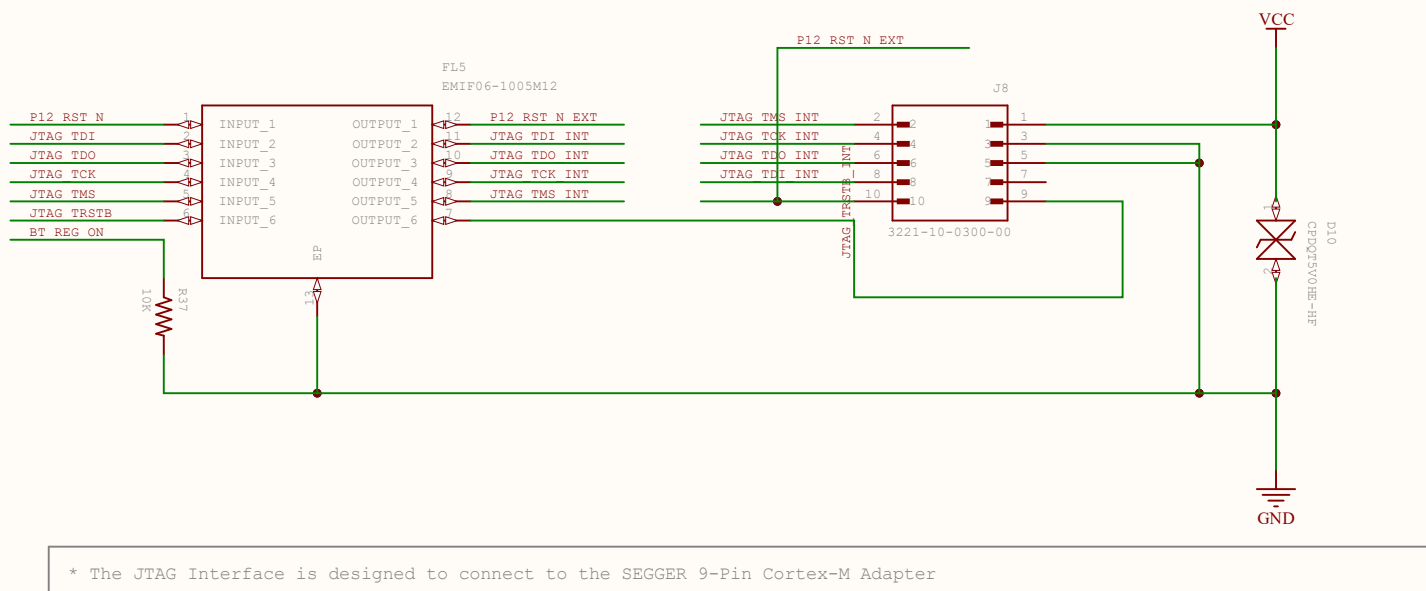
MIMXRT10XX



SD CARD

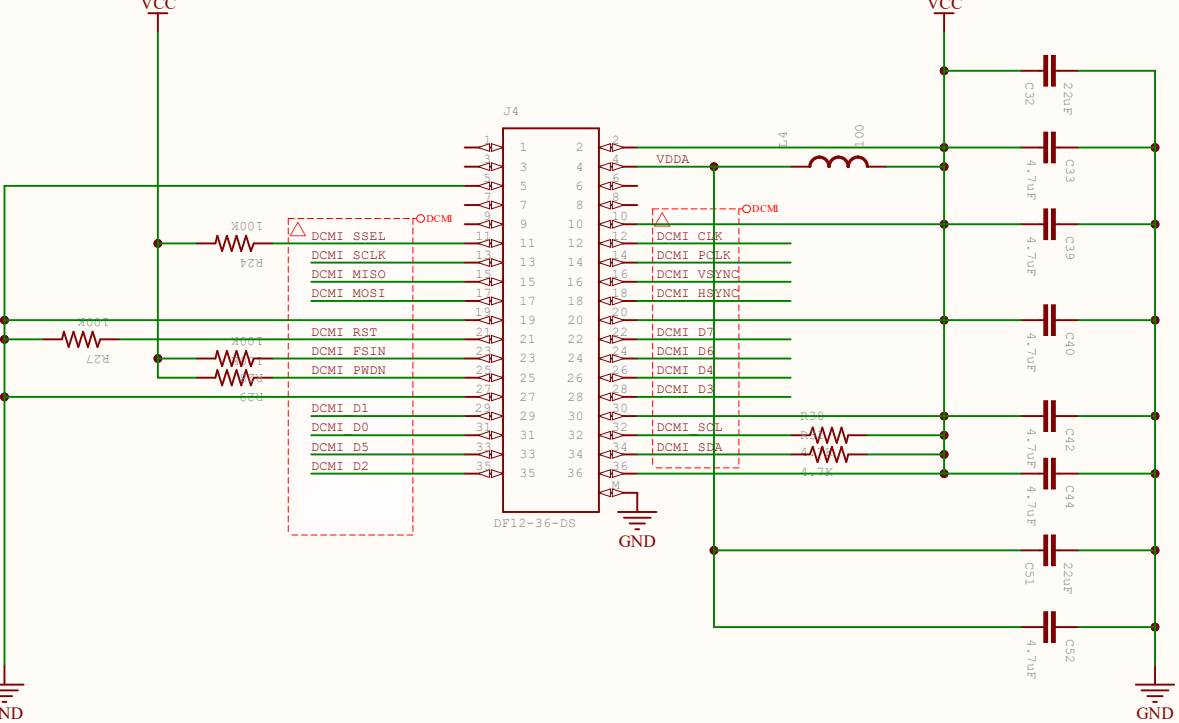


JTAG



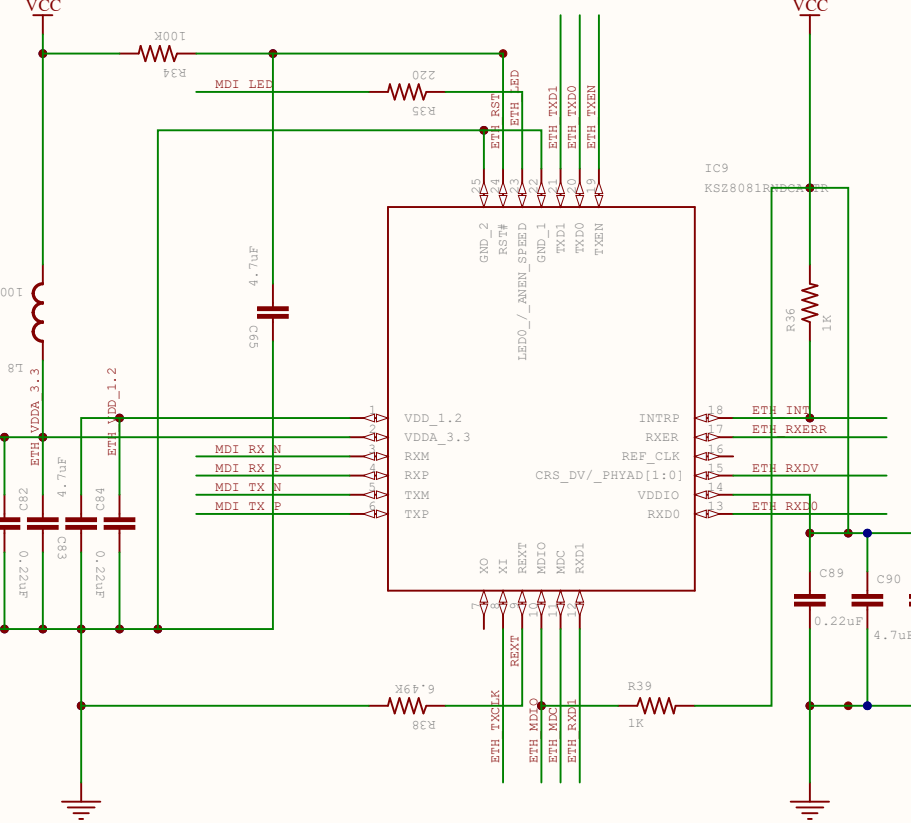
* The JTAG Interface is designed to connect to the SEGGER 9-Pin Cortex-M Adapter

IMAGE SENSOR CONNECTOR

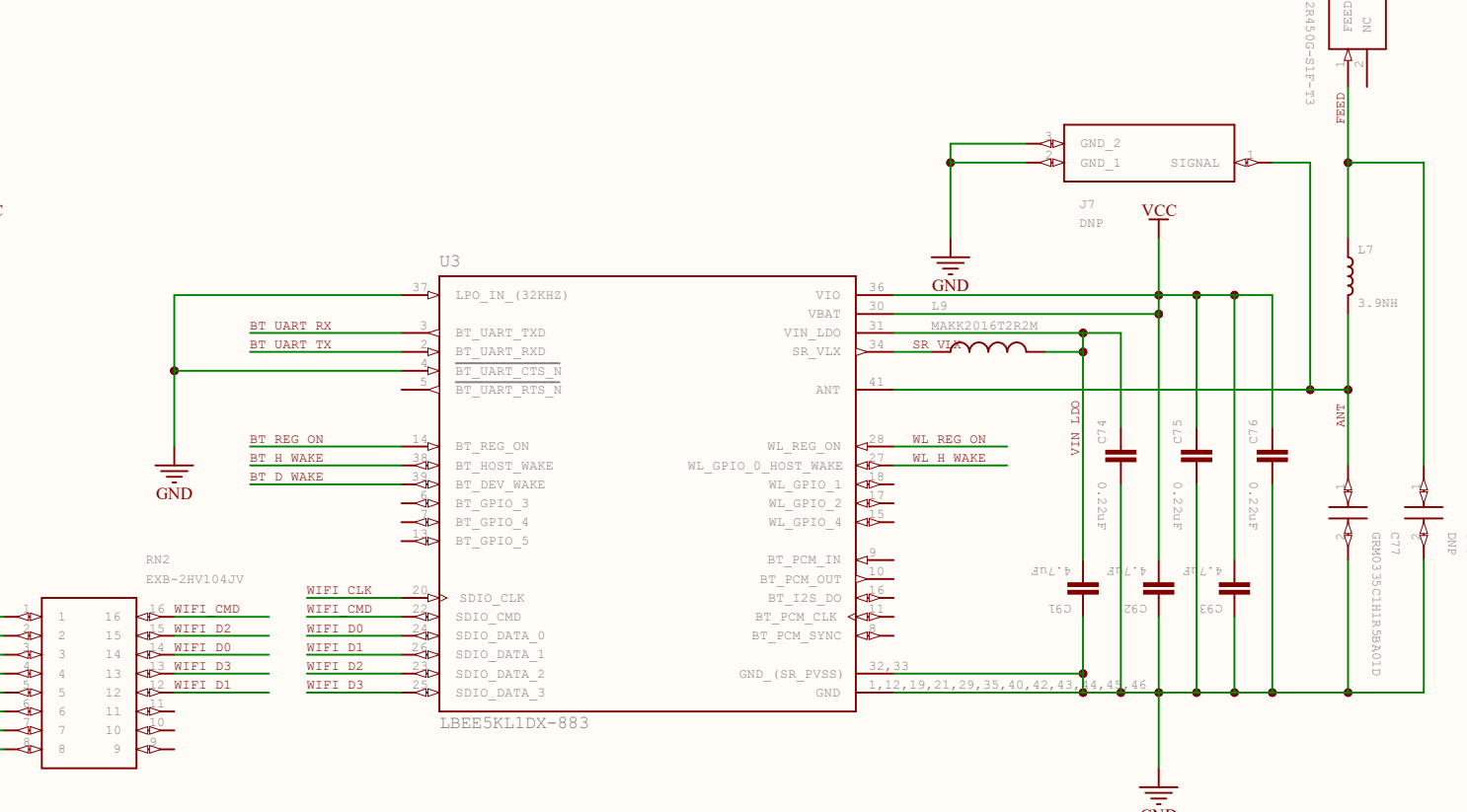


* 8KV ESD Protection on MD1 pins and the LED pin

Ethernet



WiFi/Bluetooth



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