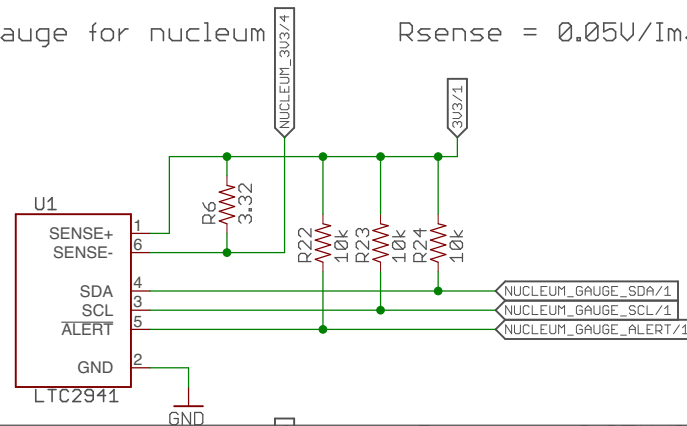


The Regulator Blocks

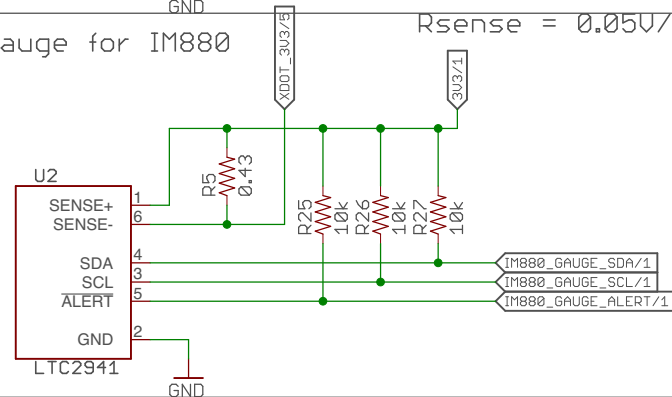
Energy gauge for nucleum

$$R_{sense} = 0.05V / I_{max} = 0.05V / 15mA$$



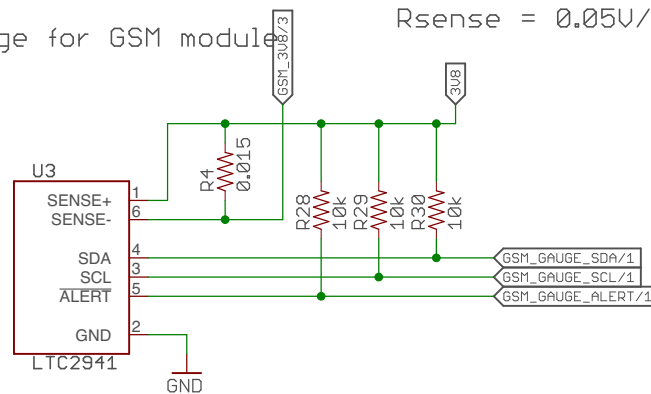
Energy gauge for IM880

$$R_{sense} = 0.05V / I_{max} = 0.05V / 118mA$$



Energy gauge for GSM module

$$R_{sense} = 0.05V / I_{max} = 0.05V / 3A$$



M Radio Module

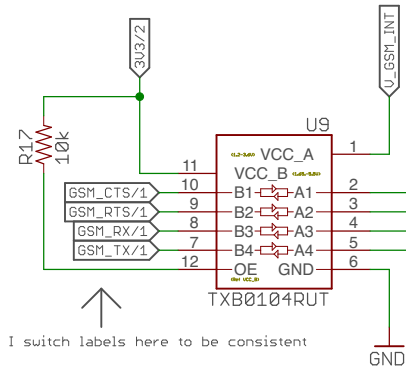
REV:
B

Author: Joshua Adkins

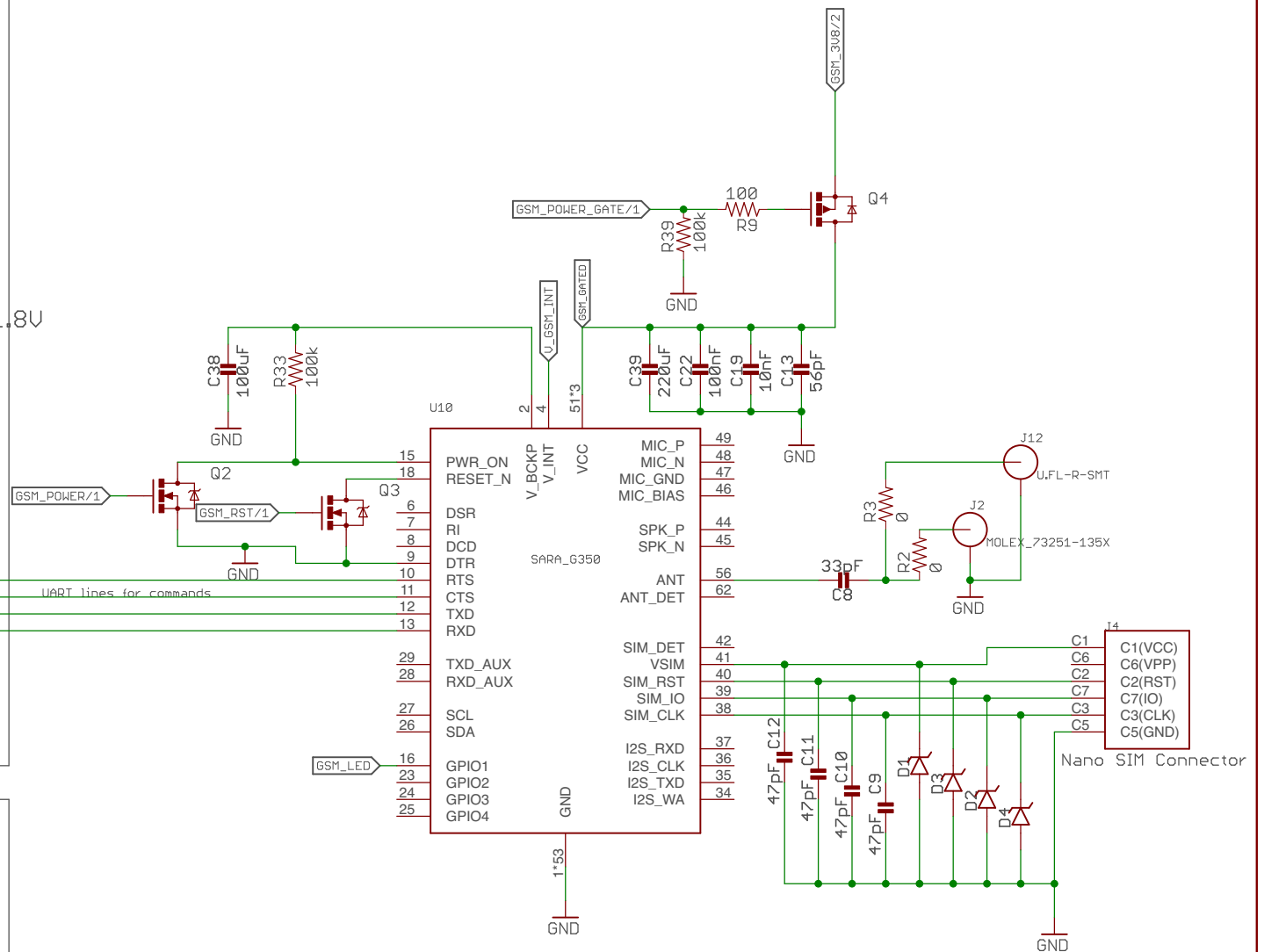
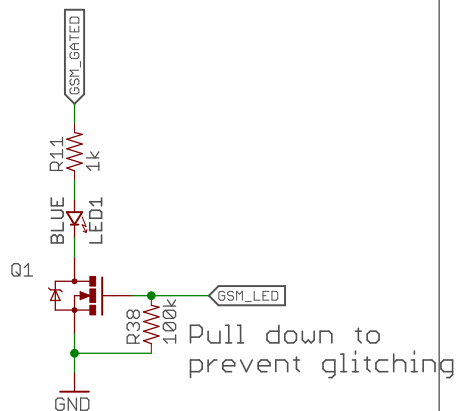
Date: 5/15/17 9:06 PM

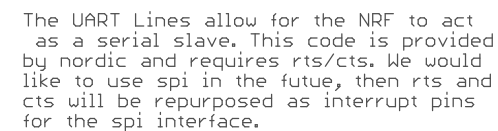
Sheet: 2/6

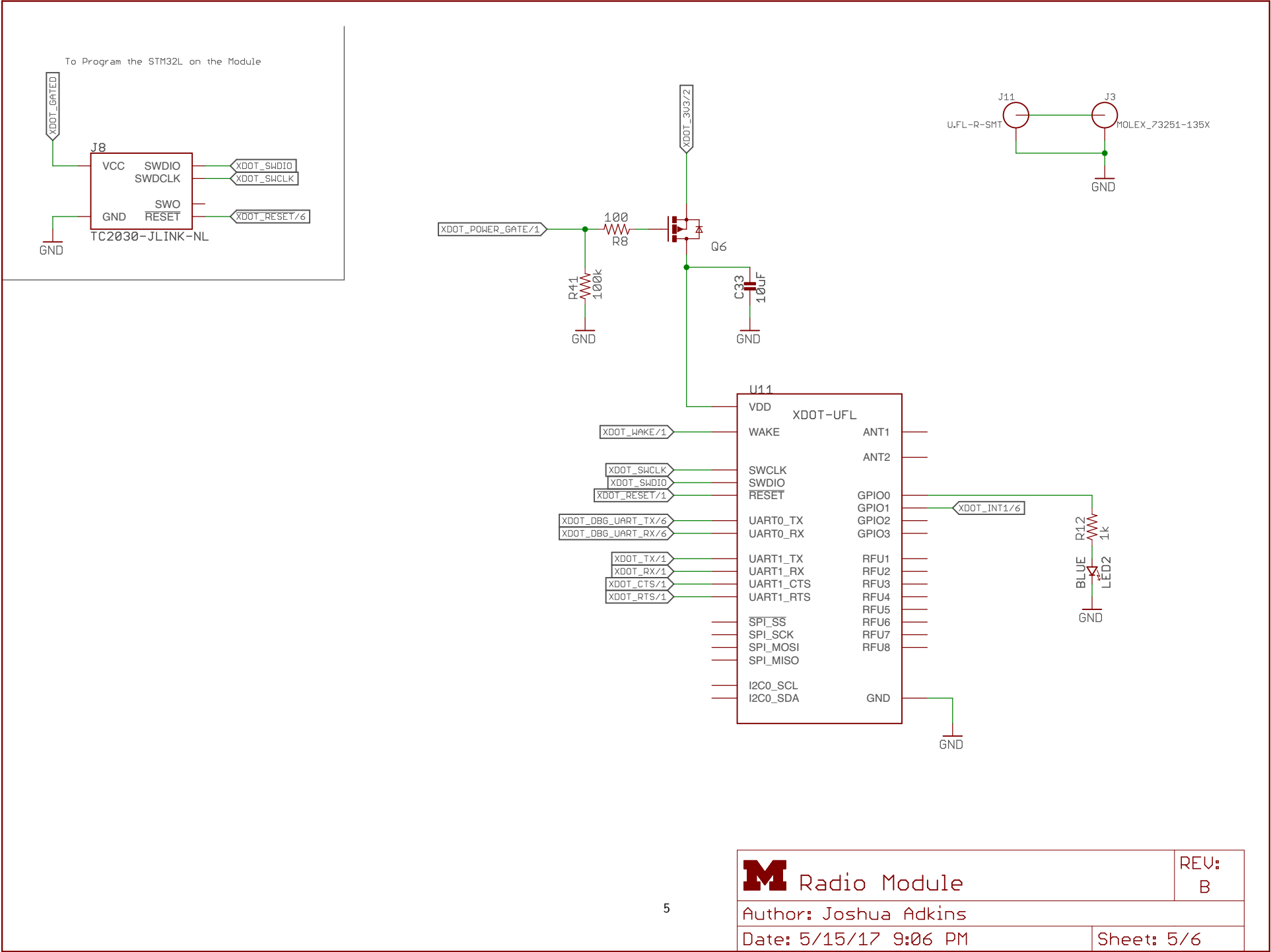
Level Translator, GSM_INT = 1.8V



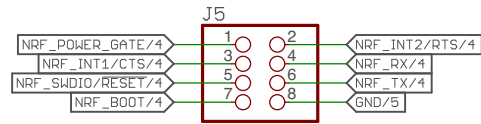
Network Indicator LED



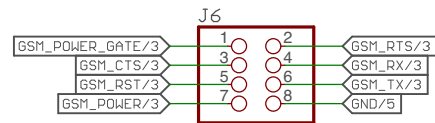




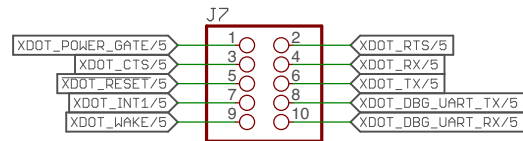
NRF Debug Header



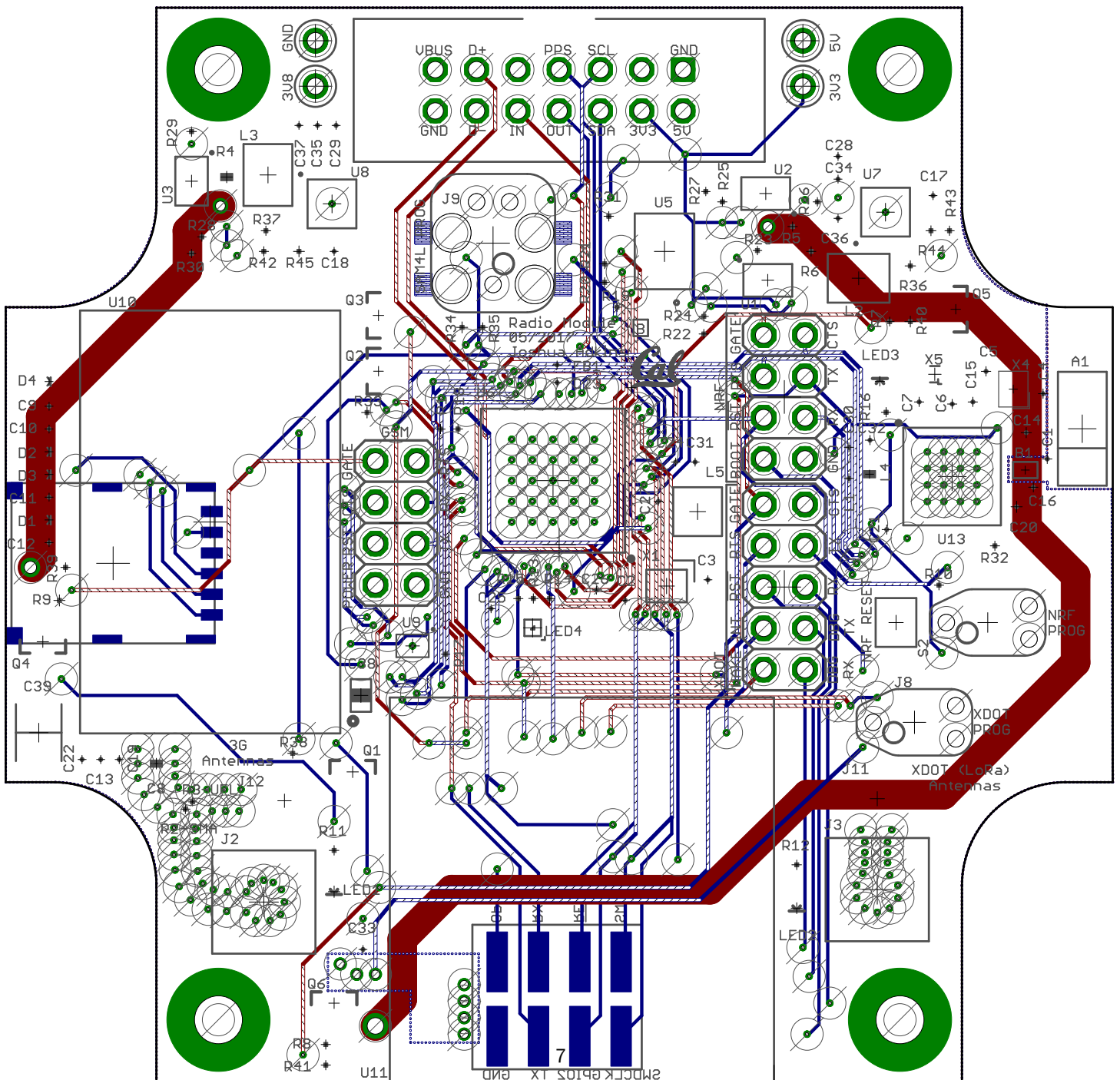
GSM Debug Header



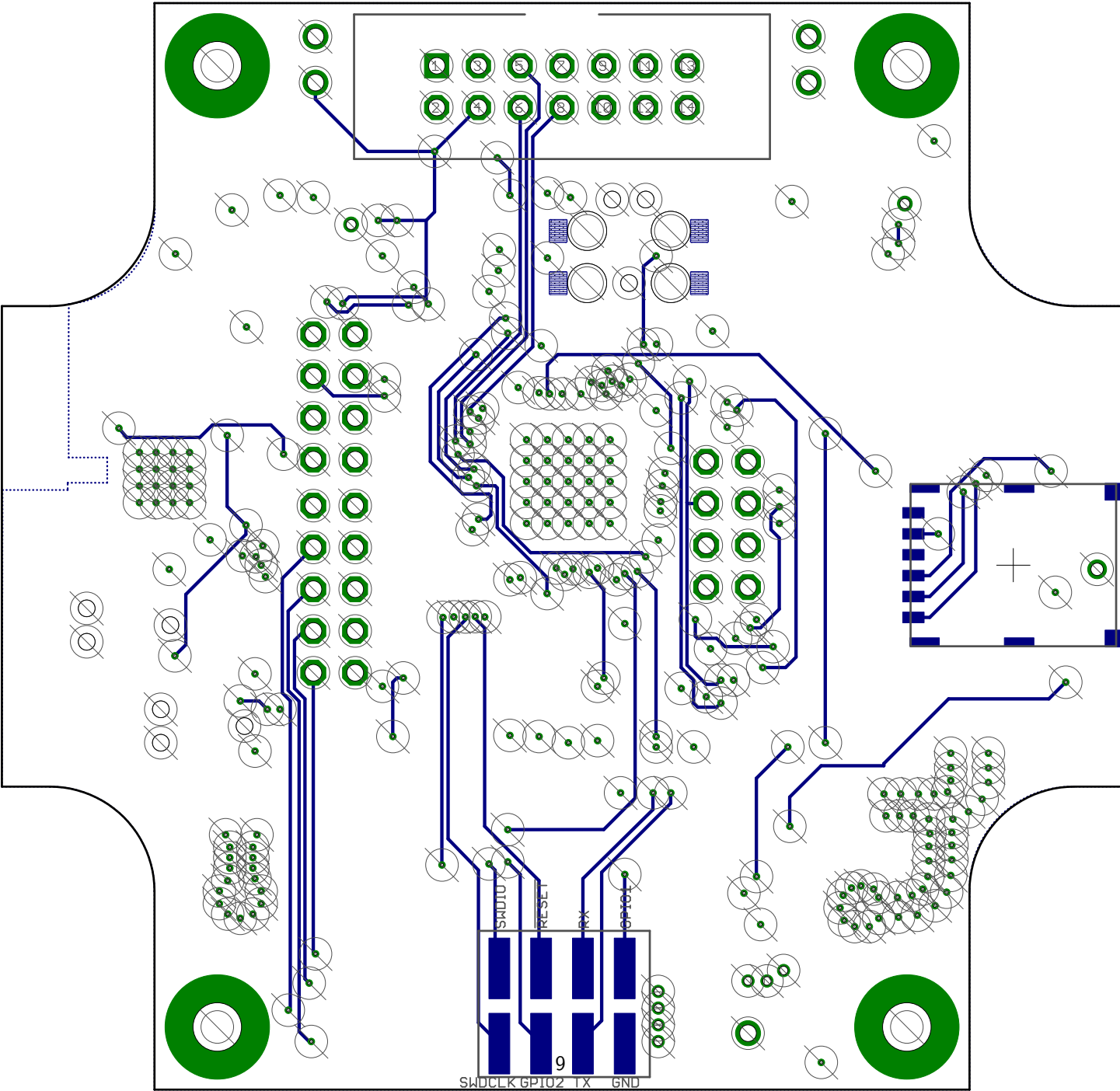
Xdot Debug



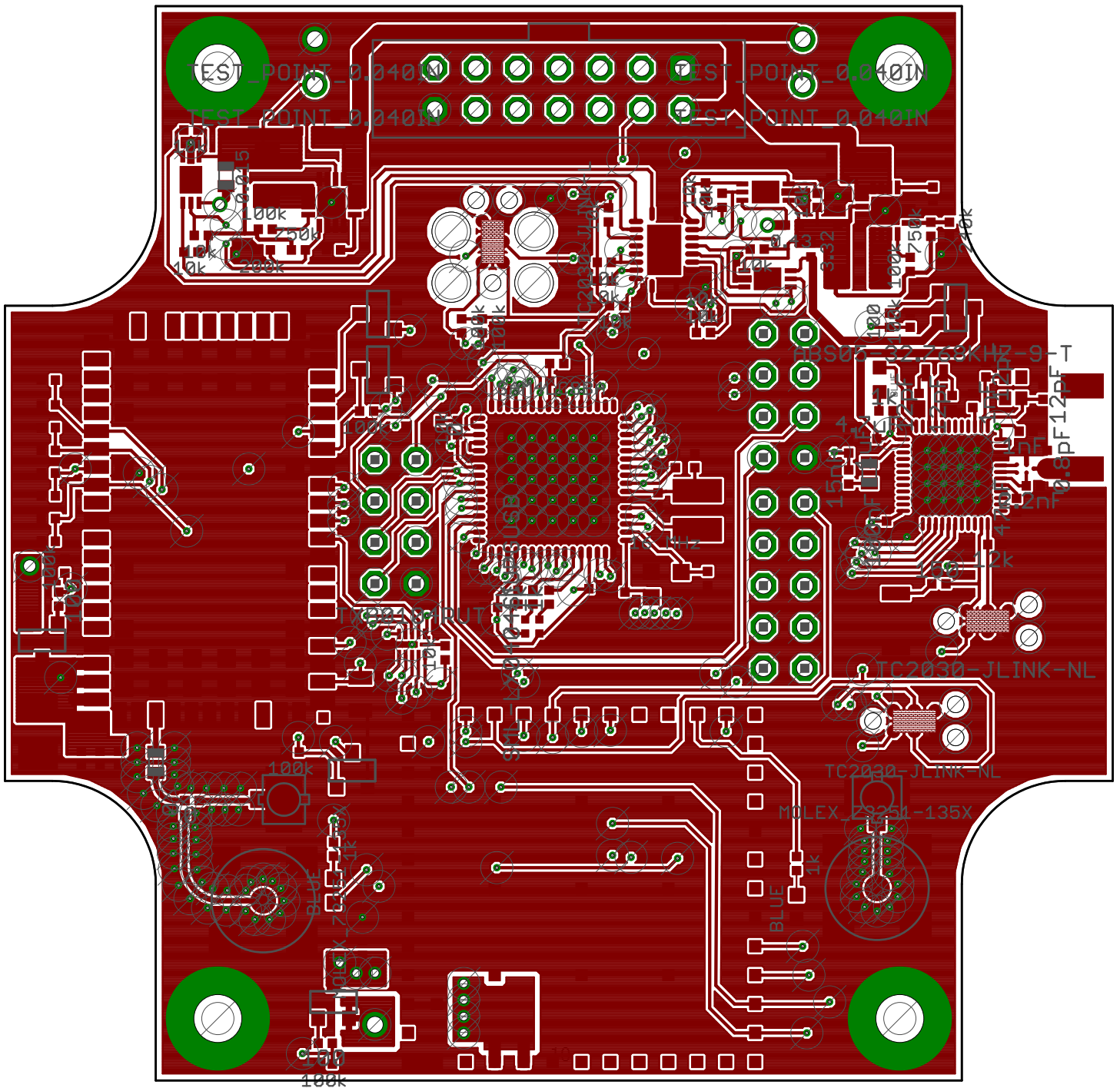
Top and Bottom Layers



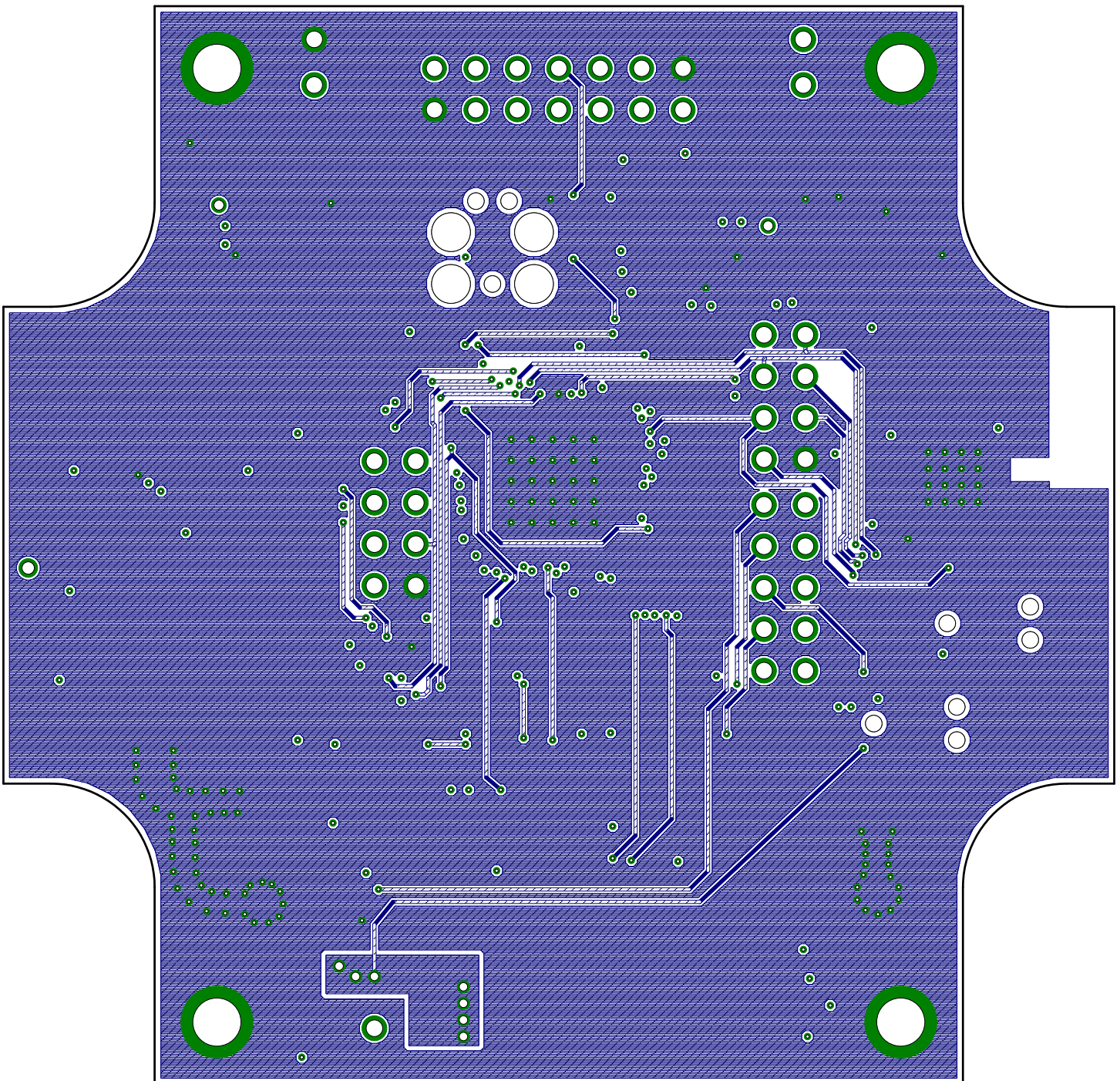
Bottom Layer



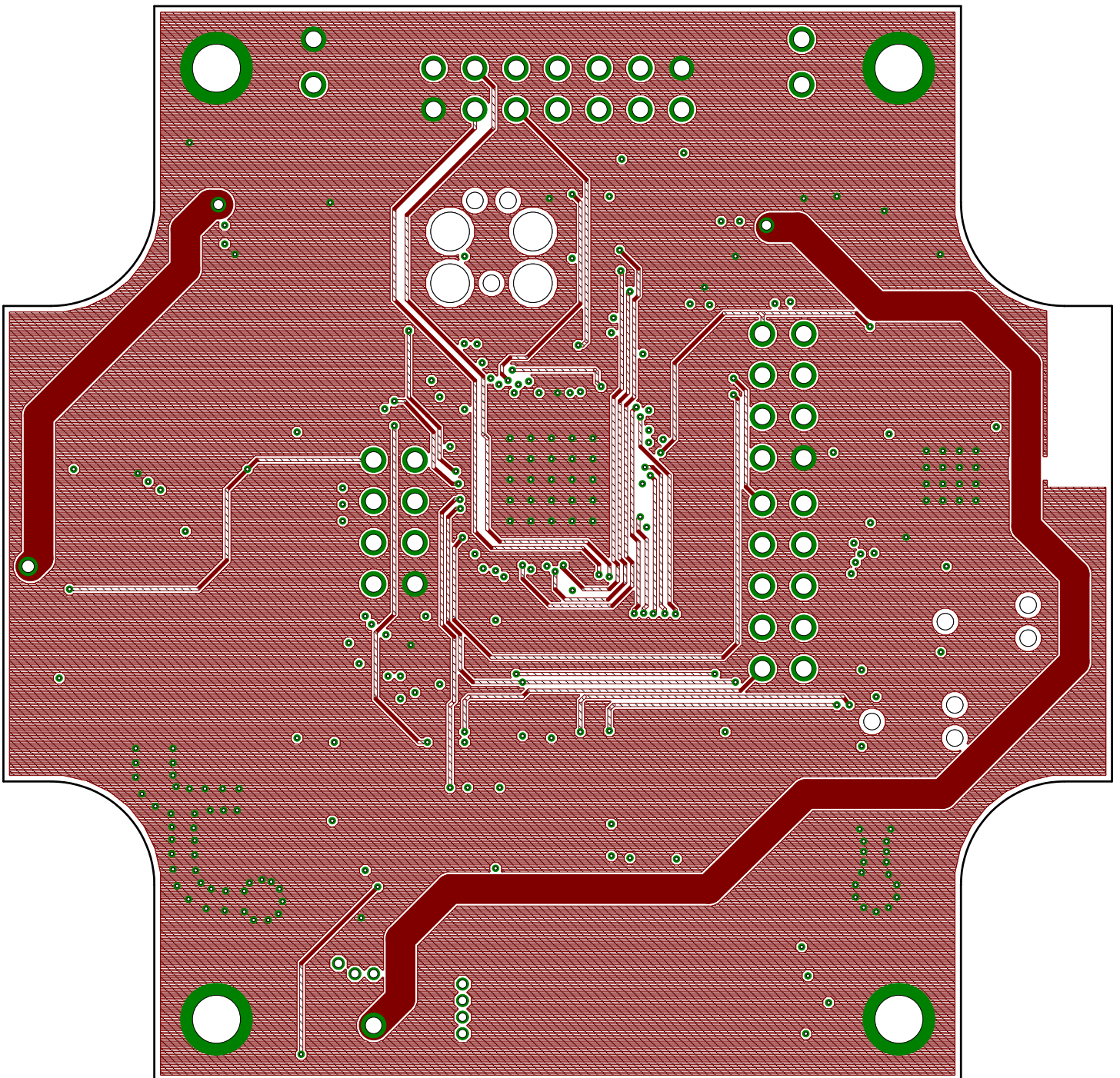
Top Copper Layer



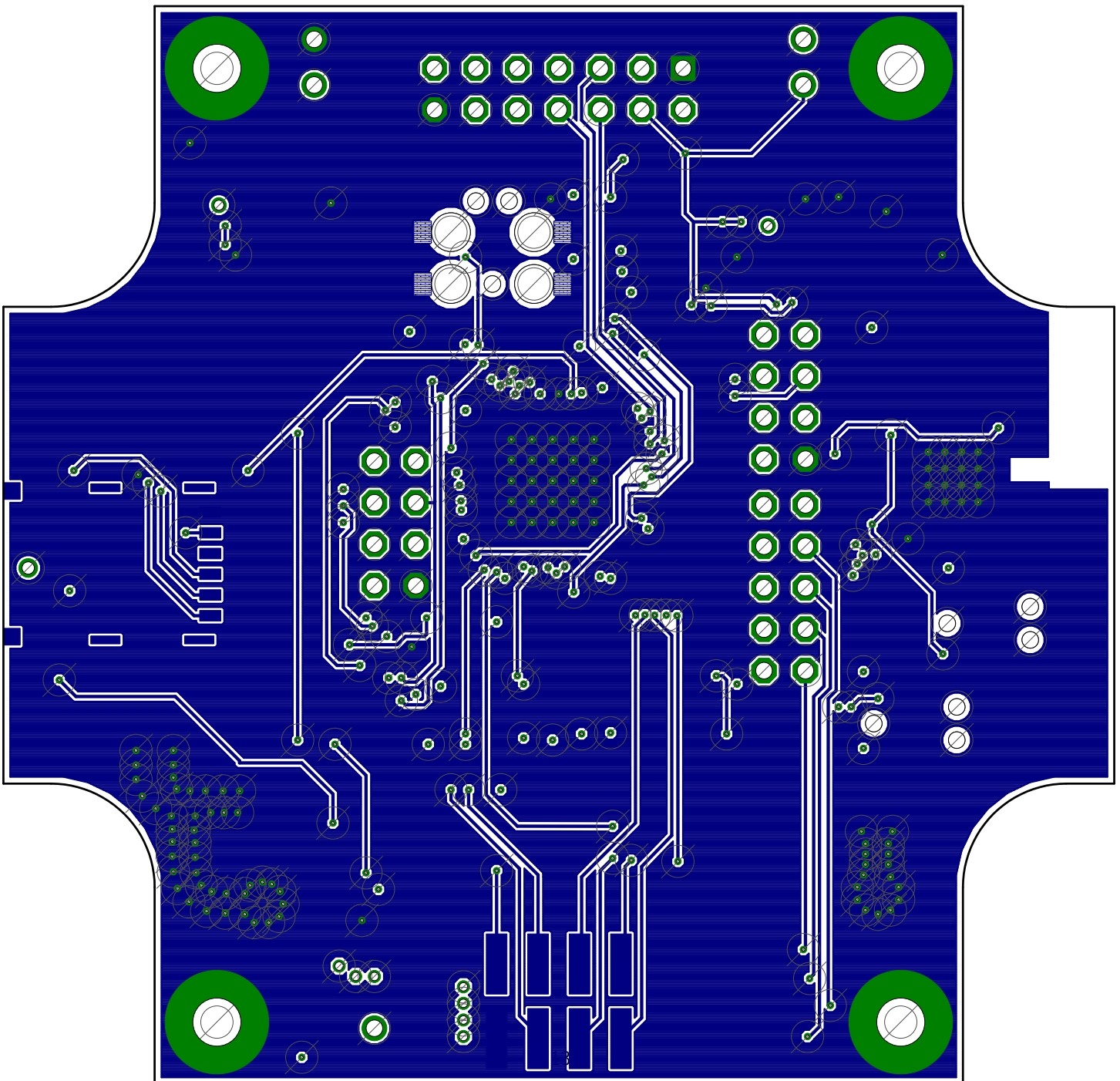
Layer 2 Copper

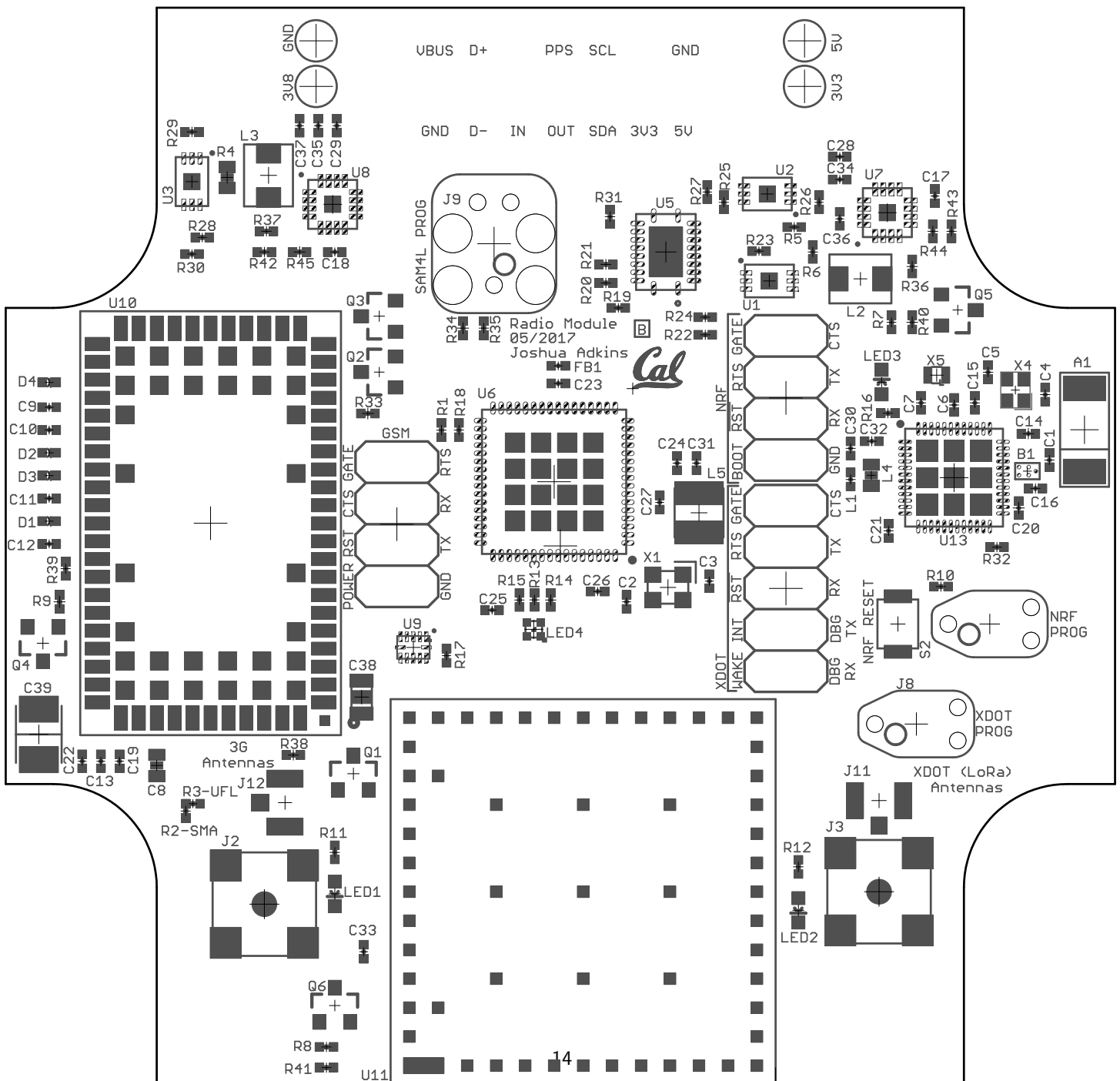


Layer 3 Copper

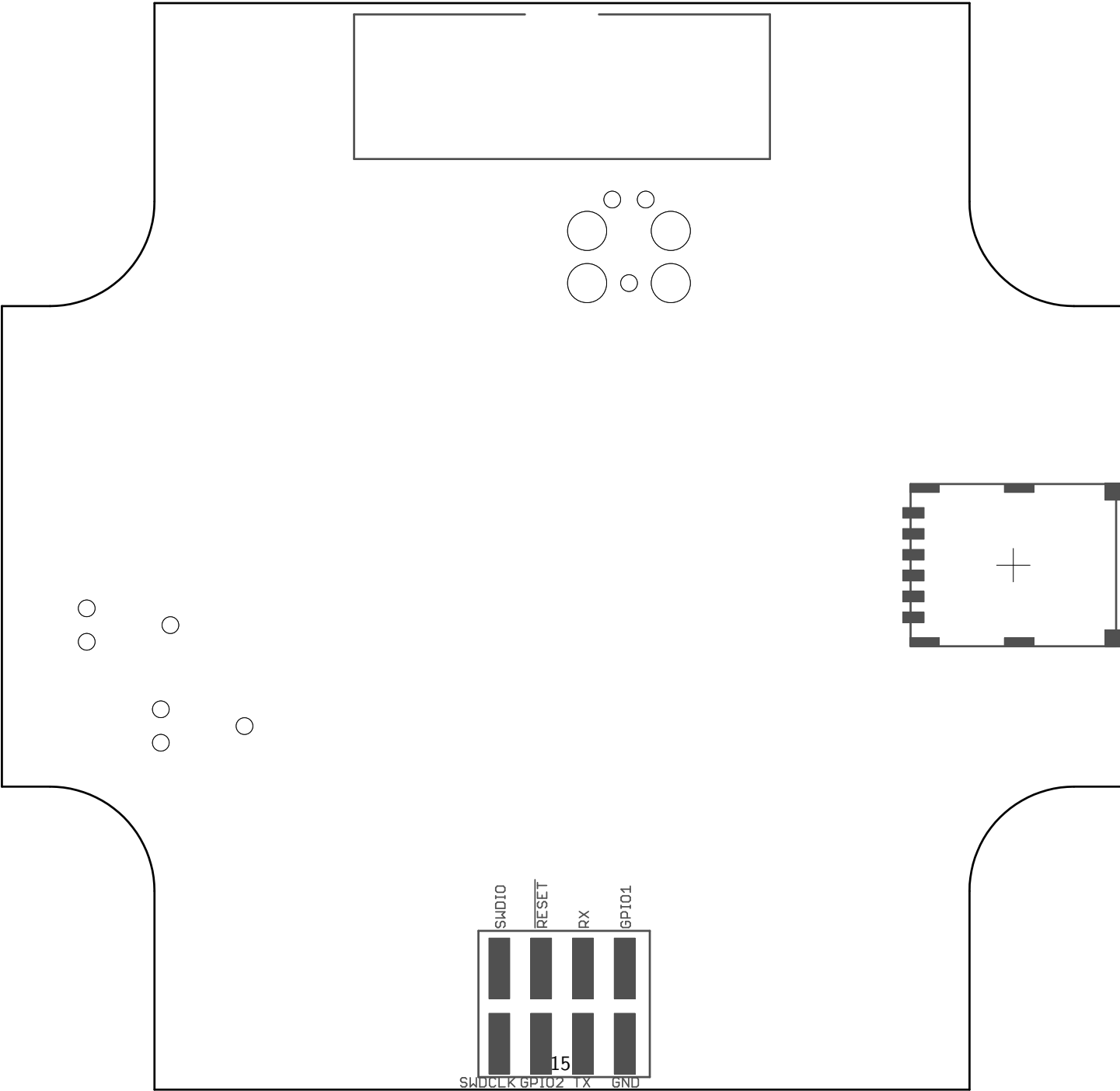


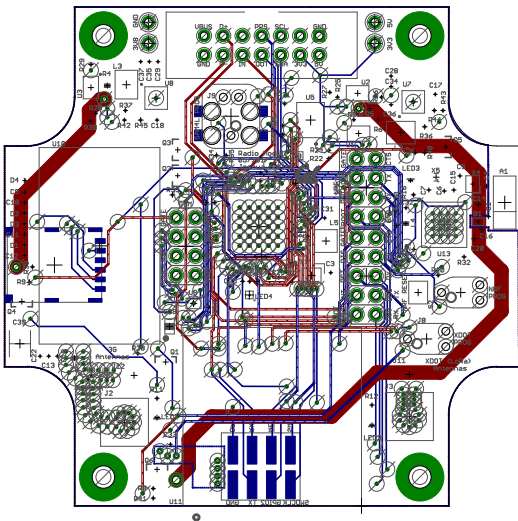
Bottom Copper Layer

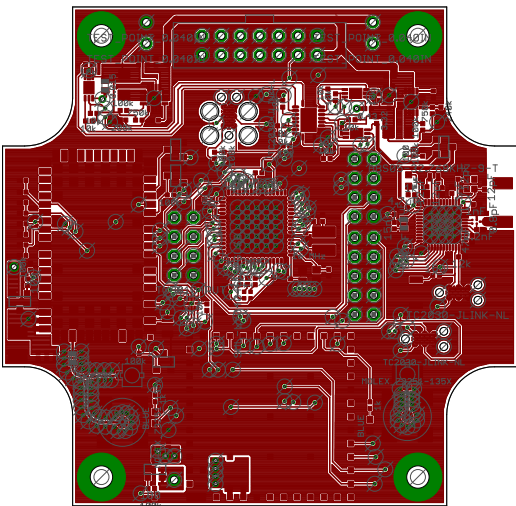


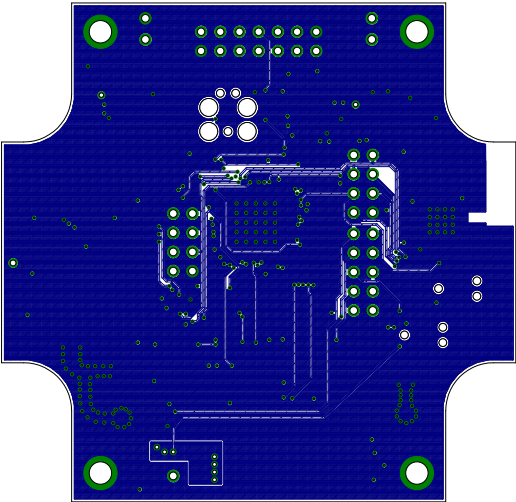


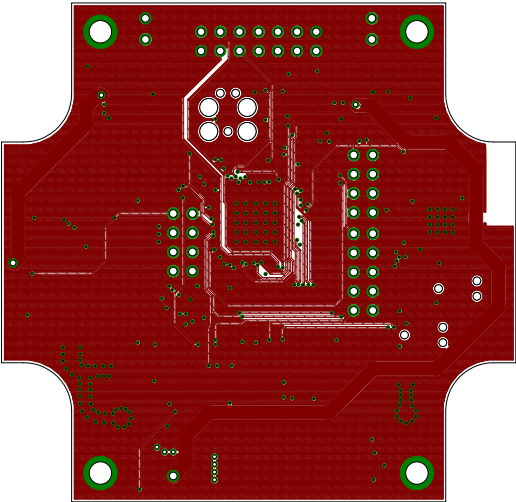
Bottom Paste Layer with Silkscreen











Bottom Copper Layer 1:1 Scale

