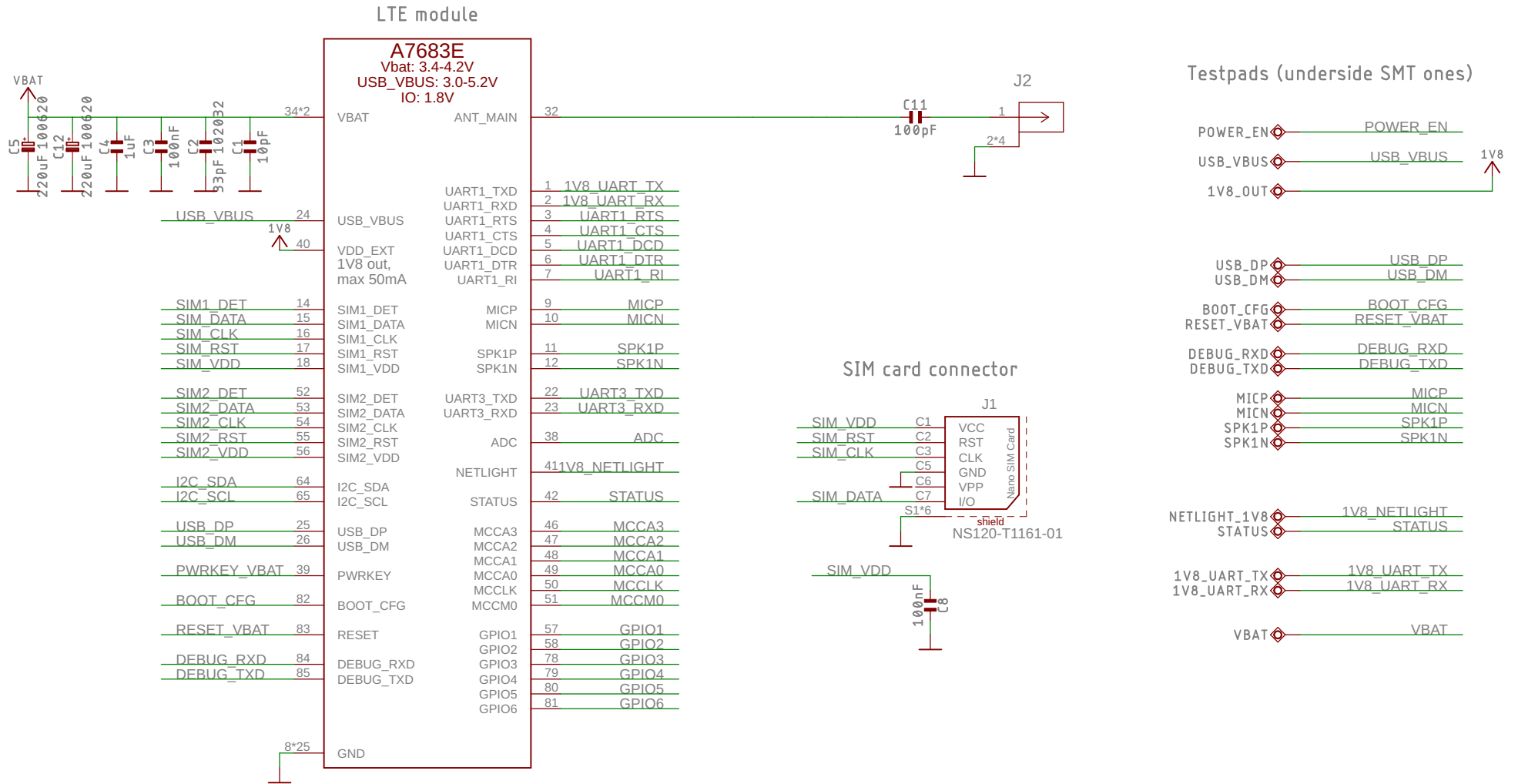
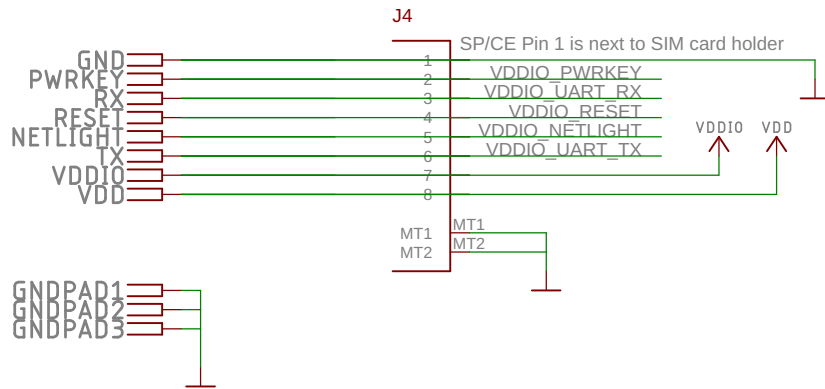


Clipper LTE 4G Breakout (SP/CE) (PIM716 / PIM746)

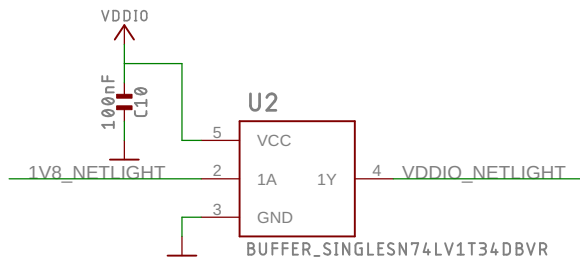
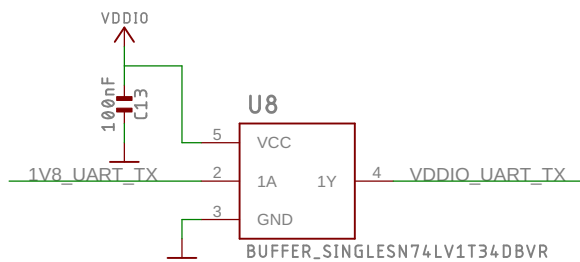


Clipper LTE 4G Breakout (SP/CE) (PIM716 / PIM746)

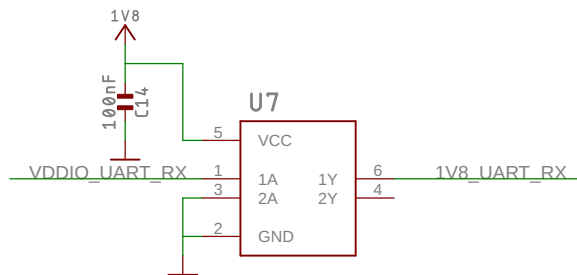
SP/CE connector, and castellated pads



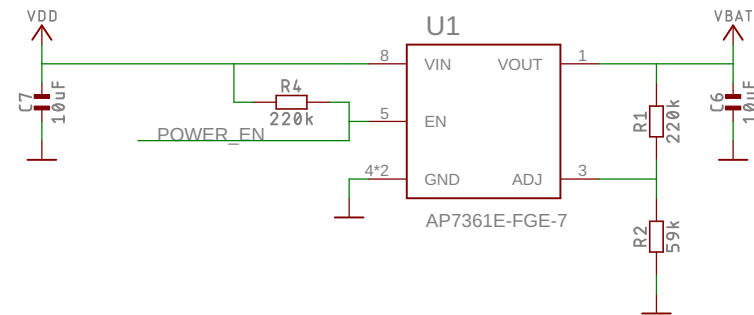
1v8 to VddIO (typ 3v3) level shift



VddIO (typ 3v3) to 1v8 level shift

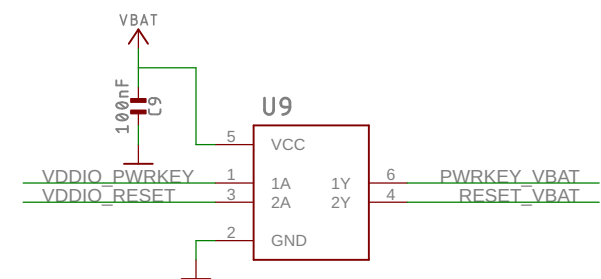


LDO voltage regulator



VBAT: "Module input voltage ranges from 3.4V to 4.2V, typical values is 3.8V. "
 $R2 = 59k$ and $R1 = 220k$ lead to $0.8 * (1+220/59) = 3.78V$ VBAT

VddIO (typ 3v3) to VBAT level shift



74VHC2G17 Max positive-going threshold voltage at 4.5V Vcc: 3.1V