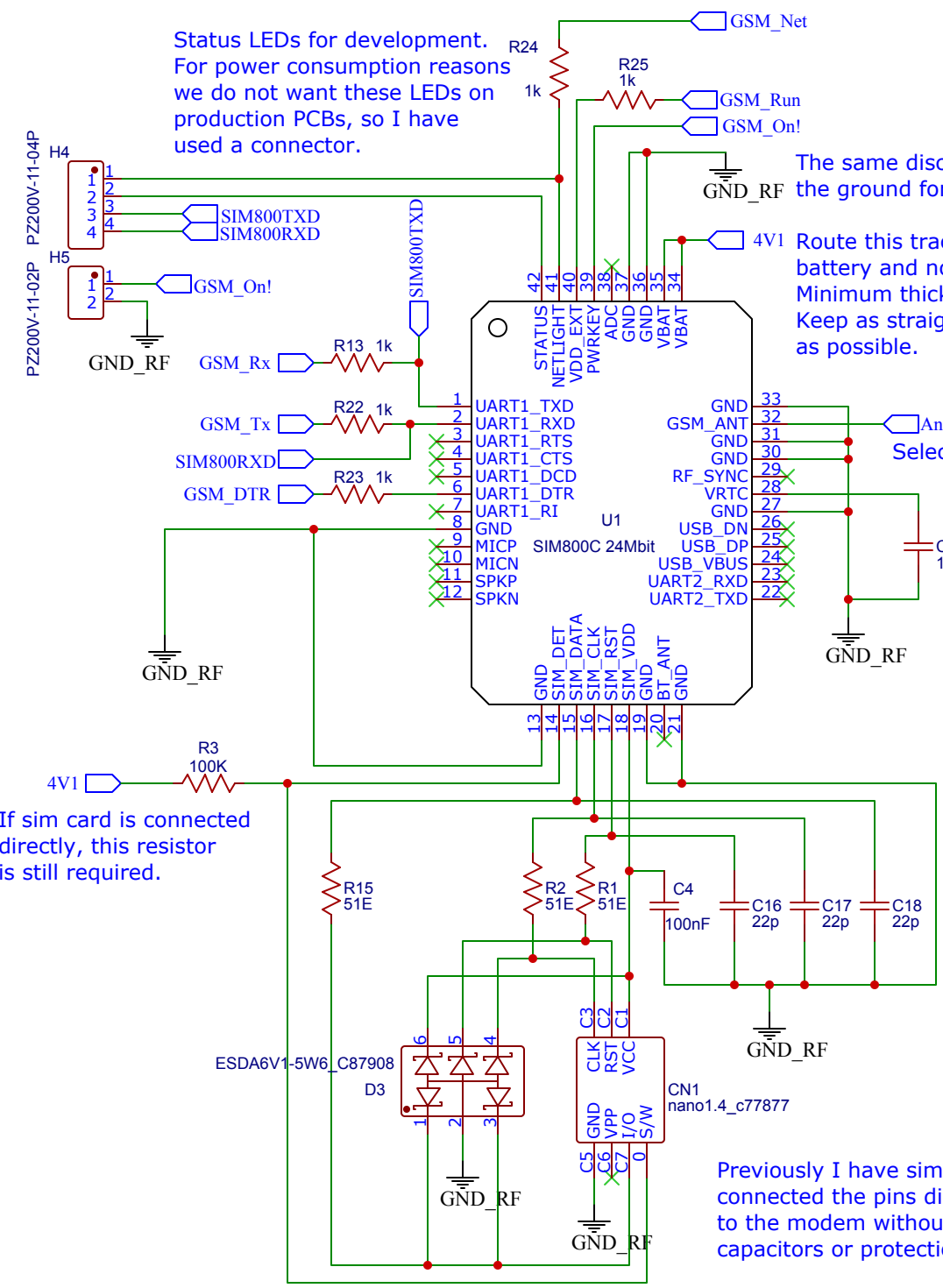


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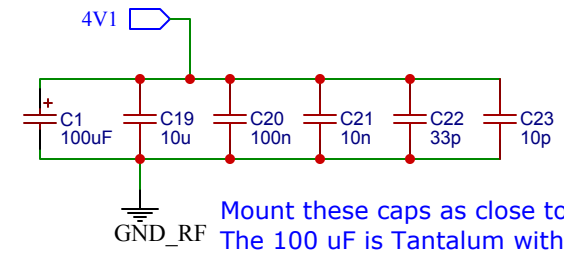
Status LEDs for development. For power consumption reasons we do not want these LEDs on production PCBs, so I have used a connector.

The same discussion applies to the ground for the GSM modem.

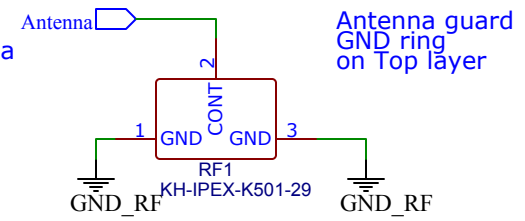
Route this track directly to the battery and no where else. Minimum thickness 1.6mm Keep as straight and short as possible.

If sim card is connected directly, this resistor is still required.

Previously I have simply connected the pins directly to the modem without resistors, capacitors or protection diodes.

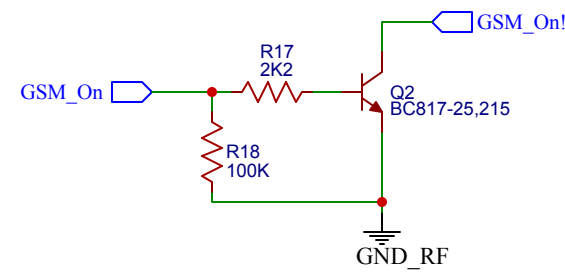


Mount these caps as close to modem as possible. The 100 uF is Tantalum with ESR<0.7E If caps need to be reduced, remove 100n and 10n.



Select antenna connector to match antenna

Antenna guard GND ring on Top layer



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