


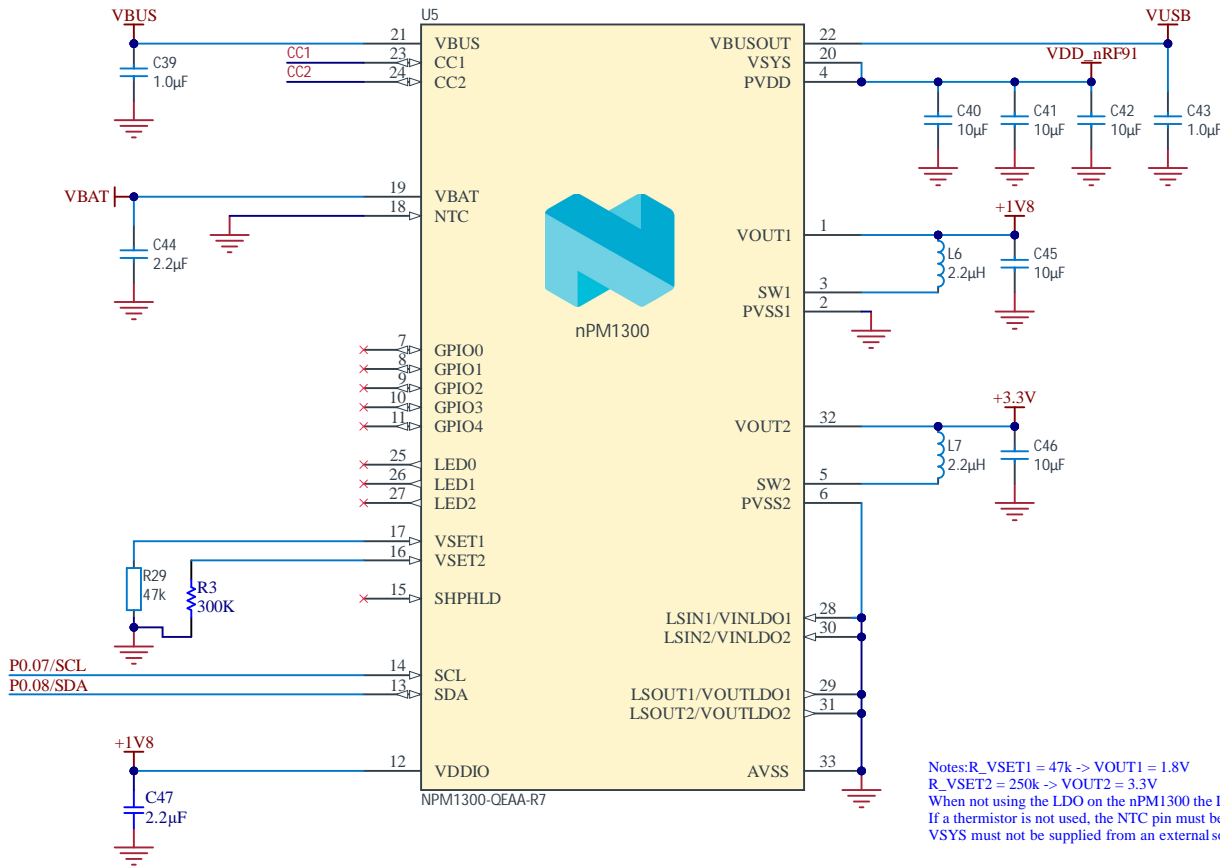
Conexio Technologies, Inc

Conexio Stratus Pro (nRF9161)

Sheet1: Title
Sheet2: PMIC, USB to UART, GPS LNA
Sheet3: Sensors, Connector, MCU

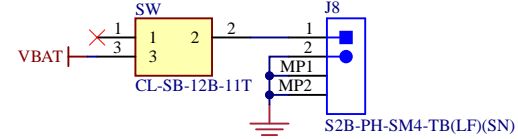
Conexio Stratus Pro			
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PMIC

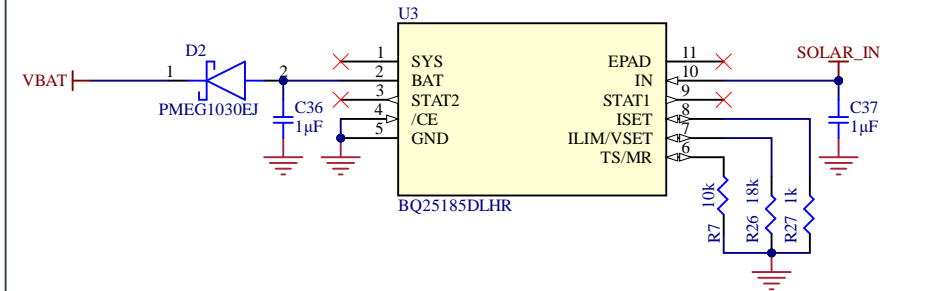


Notes: R_VSET1 = 47k -> VOUT1 = 1.8V
R_VSET2 = 250k -> VOUT2 = 3.3V
When not using the LDO on the nPM1300 the LSINx and LSOUT must be grounded.
If a thermistor is not used, the NTC pin must be tied directly to ground or through a resistor.
VSYS must not be supplied from an external source.

Battery Connector

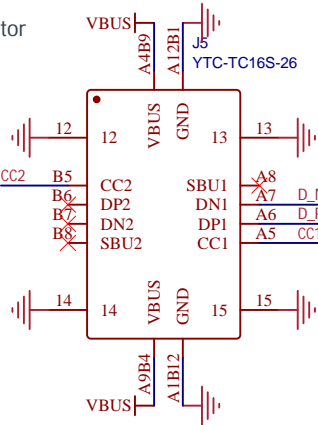


Solar Battery Charger

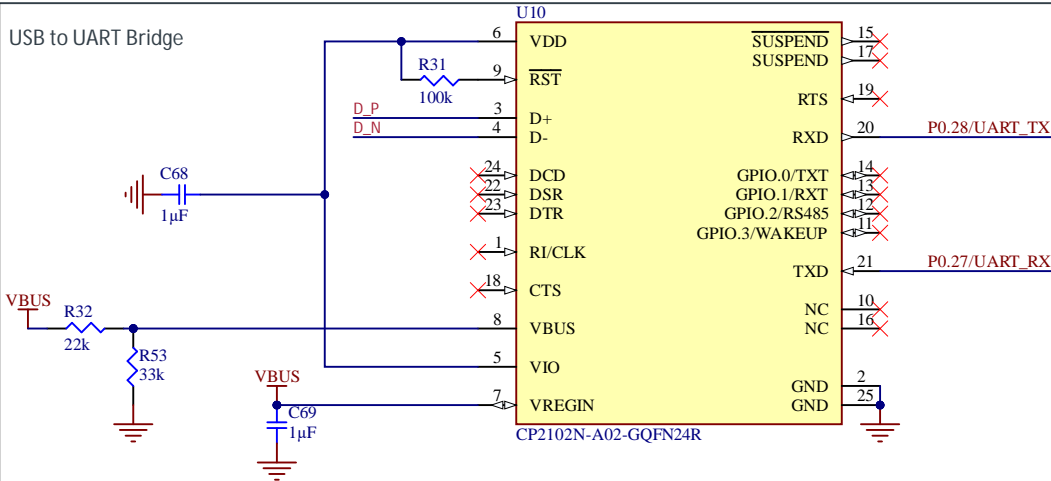


Notes: Connect CE to a high logic level to disable charging.
Connect to a low logic level to enable charging.
To configure the device for 4.2 V VBATREG and an input current limit of 500 mA, the RILIM/VSET resistor is set to 18 kOhm.
To configure the device for 300 mA of fast charge current, the Riset resistor is set to 1 k.

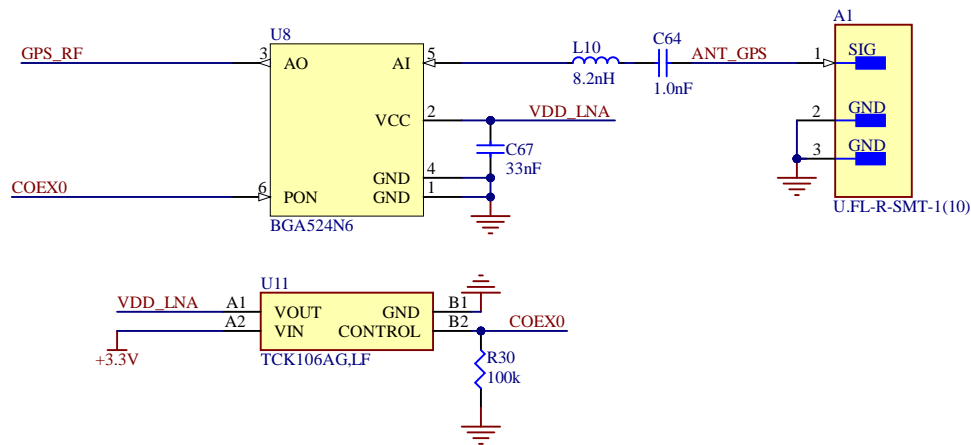
USB connector



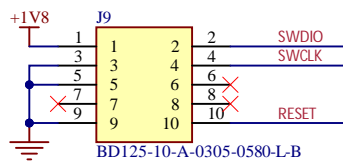
USB to UART Bridge



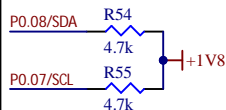
GPS LNA



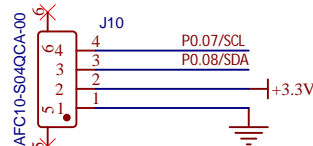
SWD Header



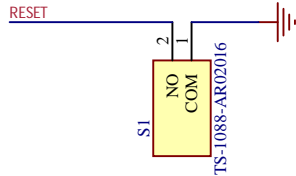
I2C Pull Resistors



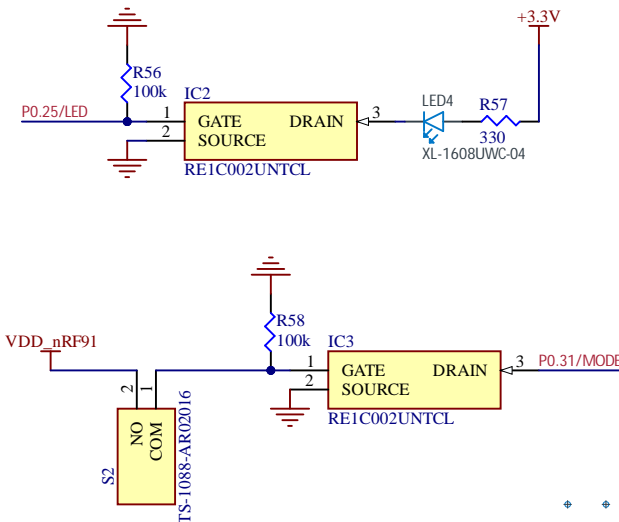
QWIIIC Connector



RESET Button



USER Mode Button and LED



Conexio Stratus Pro

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Date: 5/16/2024	Sheet 2 of 3	Drawn By: Rajeev Piyare
File: Sheet2.SchDoc		



