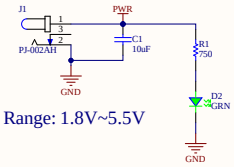
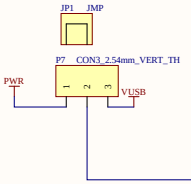
PWR IN



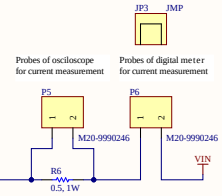
Range: 1.8V~5.5V

Power source selection

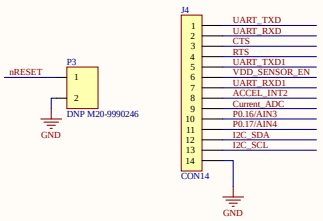


Pin1-2: DC Power
Pin2-3: USB Power

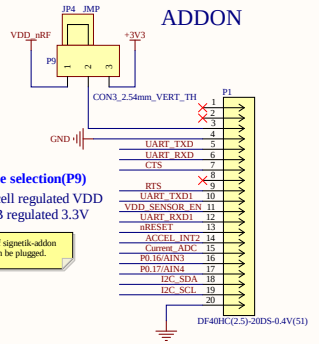
Current Measurement Jumpers



Test Points



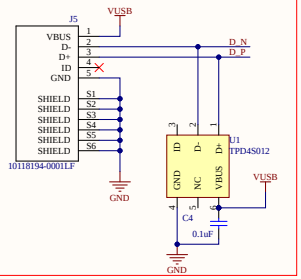
ADDON



Power source selection(P9)
Pin1-2: Sigcell regulated VDD
Pin2-3: USB regulated 3.3V

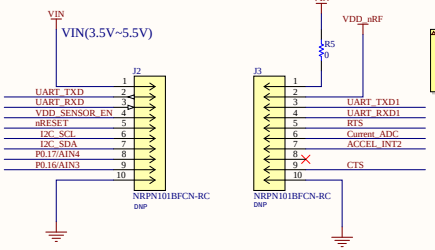
*** Any type of signetik-addon sensor board can be plugged.

USB



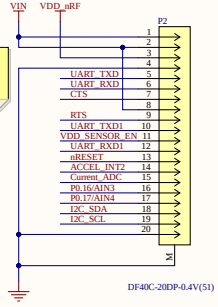
SIGCELL

TC

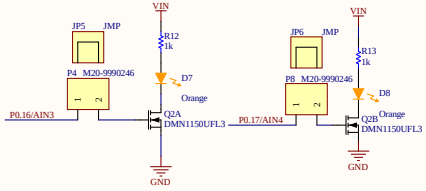


*** Sigcell board has two variant s according to the connector type: T C or LPC. Only one type of sigcell can be connected to DEV board at a time.

LPC

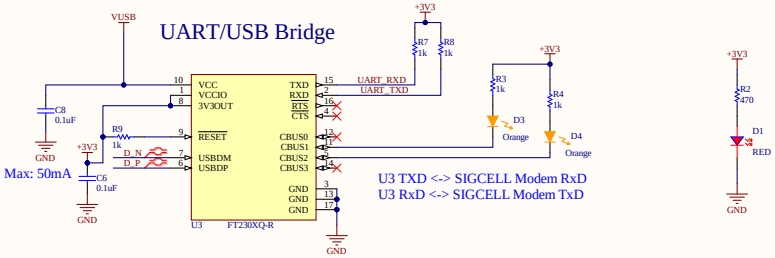


LEDs



IOL,SD Current at VSS+0.4V, output set low, standard drive, VDD > 1.7V
1mA min. 4mA max.
IOL,HDH Current at VSS+0.4V, output set low, high drive, VDD > 2.7V
6mA min. 15mA max.

UART/USB Bridge



Max: 50mA

U3 TXD <-> SIGCELL Modem RxD
U3 RxD <-> SIGCELL Modem TxD

Mechanical Holes

Addon Mounting holes

MT1 MTHole
MT2 MTHole

Sigcell mounting holes with PEMs

MT3 MTHole SMTSO-080-2.5ET
MT4 MTHole SMTSO-080-2.5ET
MT5 MTHole SMTSO-080-2.5ET
MT6 MTHole SMTSO-080-2.5ET

Logo1
SIGNETIK
Signetik Logo

Silkscreen Text
Use 60mil height when possible

FID3 Fiducial 1mm
FID1 Fiducial 1mm
FID2 Fiducial 1mm

2000020 Rev 3
8000020 Rev____

Title	*Cellular Breakout Adapter*
Size: C	Number: 1000020
Revision:	3
Date: 1/28/2021	Drawn By: PDH
Sheet 1 of 1	
File: Interface.SchDoc	

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SIGNETIK