

Host Connections

GNSS1\_PPS  
nRESET

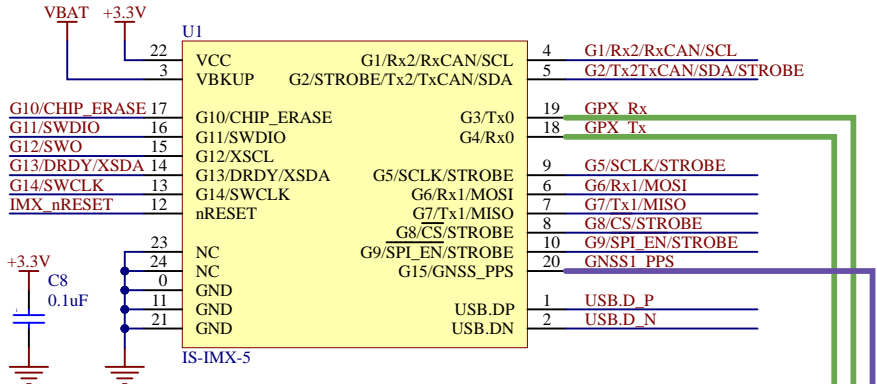
Optional Interface: USB  
USB.D\_P  
USB.D\_N

Optional Interface: UART or SPI

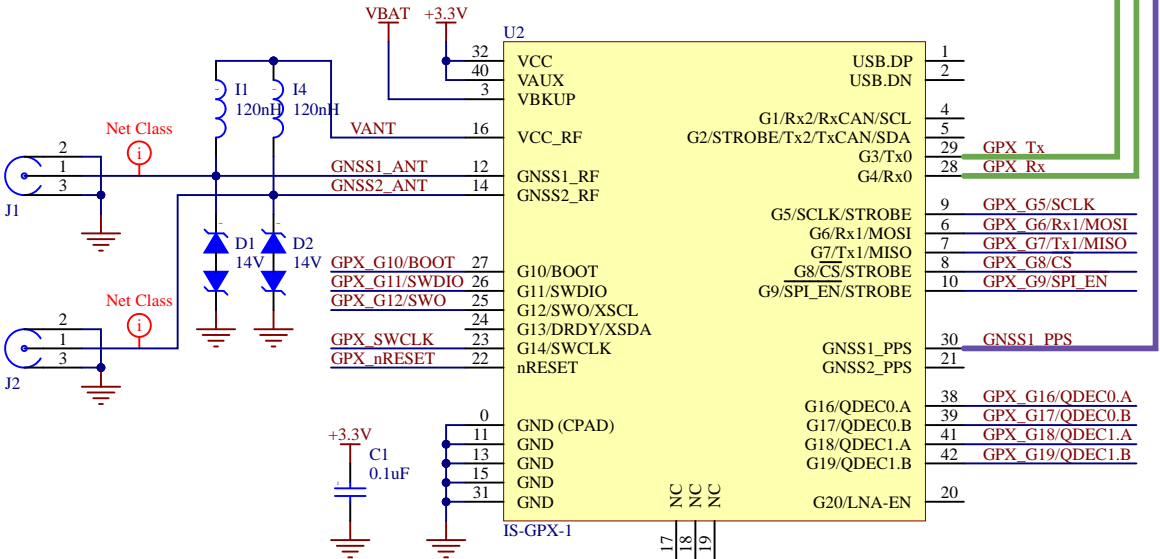
G6/Rx1/MOSI  
G7/Tx1/MISO  
G5/SCLK/STROBE  
G8/CS/STROBE  
G9/SPI\_EN/STROBE

SPI interface is enabled by holding G9 low during boot up.

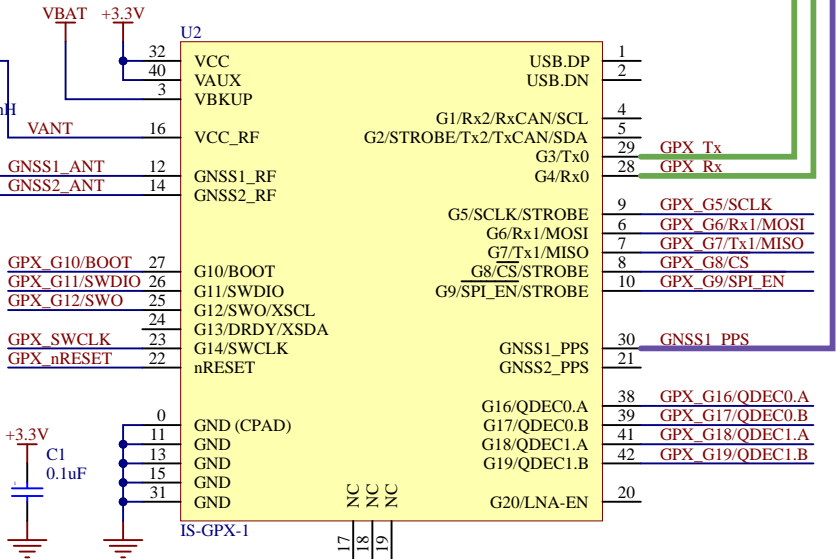
IMX-5 INS Module



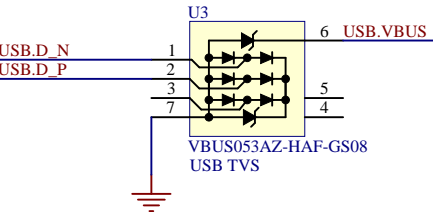
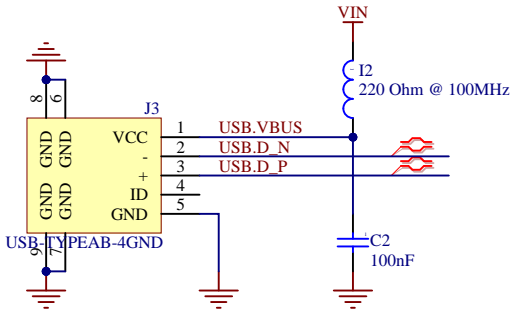
Antenna Connections



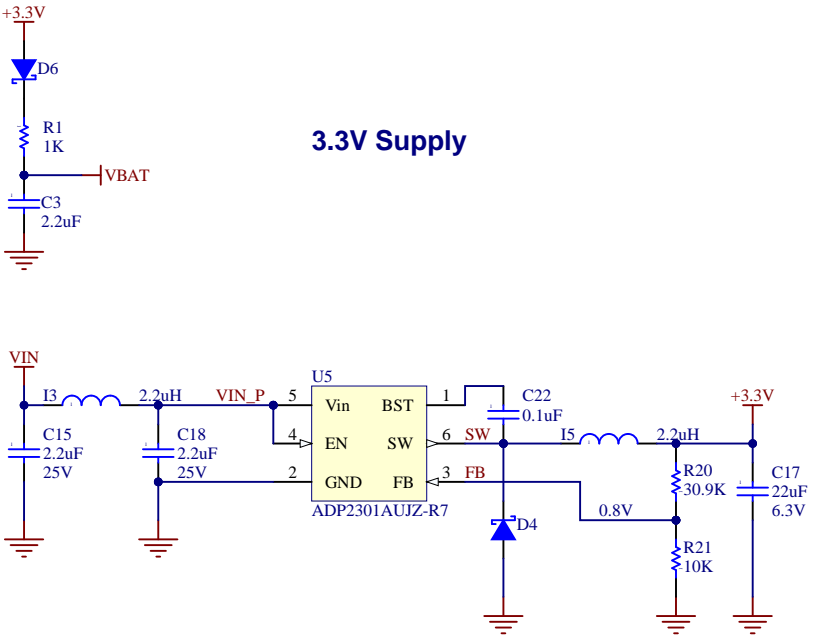
GPX-1 GNSS Module



USB Micro Connector

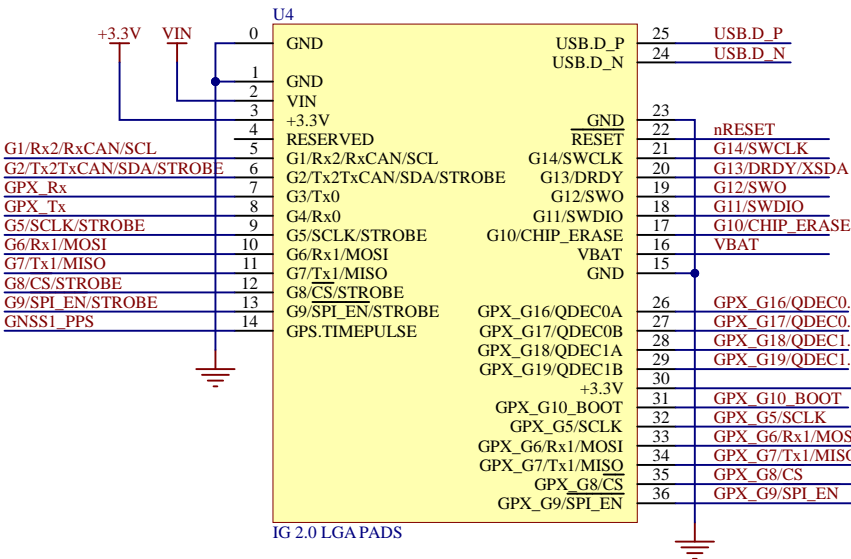


3.3V Supply

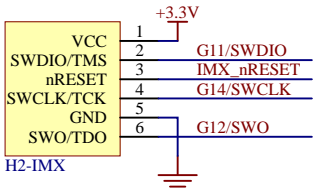


IG LGA Pads

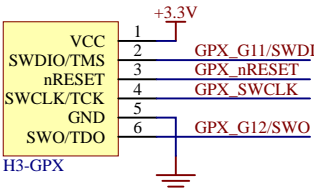
Pins 1-14 assignments must match on U4 and H1



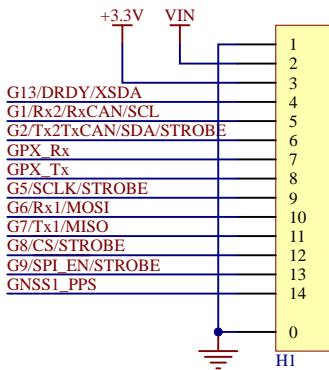
IMX-5 SWD IDC




GPX SWD IDC



IMX-5 I/O Header



CONFIDENTIAL/PROPRIETARY

|         |   |      |             |                |        |   |   |
|---------|---|------|-------------|----------------|--------|---|---|
| Project | <b>IMX w/ RTK-GNSS Module</b>                                     |      | PCB         | IS-IG-r2.0     |        | <b>InertialSense</b><br>3000 S. Sierra Vista Way<br>Provo, UT 84606<br>info@inertialsense.com |  |
| Sheet   | <b>Connectors</b>   |      | Assy        | IS-IG-r2.0.2.0 |        |   |   |
| Date    | 5/1/2023  | Time | 11:07:44 PM | Sheet 1 of 6   | Size B |   |   |
| File    | C:\_IS\hdw\IS-hdw\Products\IG-2-0\Altium\Source Files\Main.SchDoc |      |             |                |        |   |   |