

| Draft 1 | Mitchell Wenke | | | |
|------------|----------------|----------------------------|---------|-------------------|
| From Tray | To Tray | Type (Power/Digi/AF/RF) | Voltage | Noise Level (1-3) |
| 5 | 2 | AF | ??? | 2 |
| 5 | 2 | AF | ??? | 2 |
| 3 | 5 | Power | 13.2 | 3 |
| 5 | 3 | Power | 0 | 3 |
| 3 | 5 | Power | 13.2 | 3 |
| 5 | 3 | Power | 0 | 3 |
| Top | | 5 RF | - | - |
| 1 | Bottom | RF | - | - |
| 3 | 1 | AF | ??? | 2 |
| 3 | 1 | AF | ??? | 2 |
| 3 | 1 | Power | 13.2 | 3 |
| 1 | 3 | Power | 0 | 3 |
| 3 | 1 | Power | 13.2 | 3 |
| 1 | 3 | Power | 0 | 3 |
| 3 | 2 | Power | 3.3 | 2 |
| 2 | 3 | Power | 0 | 1 |
| Solar Loom | | 3 Power | - | 3 |
| 4 | 2 | AF | 3.3 | 2 |
| 4 | 2 | AF | 3.3 | 2 |
| 3 | 4 | Power | 3.3 | 2 |
| 4 | 2 | Power | 0 | 2 |
| Umbilical | | 2 Digi | 3.3 | 1 |
| Umbilical | | 2 Digi | 3.3 | 1 |
| Umbilical | | 2 Digi | 3.3 | 1 |
| 2 | 4 | Digi | 3.3 | 1 |
| Umbilical | | 4 Digi | 3.3 | 1 |
| Umbilical | | 4 Digi | 3.3 | 1 |
| 4 | Umbilical | Digi | 3.3 | 1 |
| 2 | 4 | Digi | 3.3 | 1 |
| 2 | 4 | Digi | 3.3 | 1 |
| 1 | 2 | Digi | 5 | 1 |
| 1 | 2 | Digi | 5 | 1 |
| 1 | 2 | Digi | 5 | 1 |
| 1 | 2 | Digi | 5 | 1 |
| 2 | 3 | Digi | 5 | 1 |
| 2 | 3 | Digi | 5 | 1 |
| 2 | 3 | Digi | 5 | 1 |
| 2 | 3 | Digi | 5 | 1 |
| 3 | 4 | Digi | 5 | 1 |
| 3 | 4 | Digi | 5 | 1 |
| 3 | 4 | Digi | 5 | 1 |
| 3 | 4 | Digi | 5 | 1 |
| 4 | 5 | Digi | 5 | 1 |
| 4 | 5 | Digi | 5 | 1 |
| 4 | 5 | Digi | 5 | 1 |
| 4 | 5 | Digi | 5 | 1 |
| 2 | Solar Loom | AF | 5 | 3 |
| 2 | Solar Loom | AF | 5 | 3 |
| 2 | Solar Loom | AF | 5 | 3 |
| 2 | Solar Loom | AF | 5 | 3 |
| 2 | Solar Loom | AF | 5 | 3 |

| | | | | |
|---|------------|--------|-----|---|
| 2 | Solar Loom | AF | 5 | 3 |
| 2 | | 3 Digi | 3.3 | 1 |
| 2 | | 3 Digi | 3.3 | 1 |

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| Description |
| RX1 Audio Frequency |
| RX2 Audio Frequency |
| RX1 V+ |
| RX1 Gnd |
| RX2 V+ |
| RX2 Gnd |
| RX Antenna |
| TX Antenna |
| TX1 Audio Frequency |
| TX2 Audio Frequency |
| TX1 V+ |
| TX1 Gnd |
| TX2 Power |
| TX2 Gnd |
| CSC V+ |
| CSC Gnd |
| Solar Panel Input bus |
| GMSK1 Audio Frequency |
| GMSK2 Audio Frequency |
| Payload V+ |
| Payload Gnd |
| TMS |
| TCK |
| CSC TDI |
| CSC TDO -> Payload TDI |
| TMS |
| TCK |
| Payload TDO |
| Payload Bus SDA |
| Payload Bus SCL |
| Telem SDA |
| Telem SCL |
| Telem V+ |
| Telem V- |
| Telem SDA |
| Telem SCL |
| Telem V+ |
| Telem V- |
| Telem SDA |
| Telem SCL |
| Telem V+ |
| Telem V- |
| Telem SDA |
| Telem SCL |
| Telem V+ |
| Telem V- |
| External Temp Sensor X+ |
| External Temp Sensor X- |
| External Temp Sensor Y+ |
| External Temp Sensor Y- |
| External Temp Sensor Z+ |

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|-------------------------|
| External Temp Sensor Z- |
| Power Control SDA |
| Power Control SCL |