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| **BUS ELECTRONICS** | | |
| **TASK** | **DATE DONE** | **COMMENTS** |
| **PCB Schematics Finished & Released (all)** |  |  |
| * OBC/EPS | 2018-05-29 |  |
| * PAY-SSM |  |  |
| * PAY-SENSOR |  |  |
| * PAY-LED |  |  |
| * Solar Panels | 2018-05-29 |  |
| * System Interface | 2018-05-29 |  |
| **Orders Completed (all)** |  |  |
| * All PCBs sent for manufacturing |  |  |
| * BOM Finished |  |  |
| * Deployment and RBF switches purchased |  |  |
| * Solar panels purchased | N/A | No new panels for qual testing |
| * Silver epoxy purchased |  |  |
| **Initial PCB Assembly and Verification** |  |  |
| * COMM/OBC/EPS |  |  |
| * PAY-SSM |  |  |
| * PAY-SENSOR |  |  |
| * PAY-LED |  |  |
| * Solar Panels |  | Only attach few solar panels |
| * + GND tabs attached with silver epoxy |  |  |
| * System Interface |  |  |
| **All PCB assemblies verified** |  |  |
| **Cable assemblies finished** |  |  |
| **Fit Check** |  |  |
| * Connect BUS PCB to transceiver |  |  |
| * Verify attachment of BUS PCB and transceiver to primary structure |  |  |
| **OBC Verification** |  |  |
| * Power-on |  |  |
| * Programming |  |  |
| * SPI Communication |  |  |
| * CAN Communication |  |  |
| * UART Communication to transceiver |  |  |
| **EPS Verification** |  |  |
| * Power-on |  |  |
| * Power conversion |  |  |
| * + 3V3 |  |  |
| * + 5V |  |  |
| * Programming |  |  |
| * SPI Communication |  |  |
| * CAN Communication |  |  |
| * Shunt control, battery monitoring |  |  |
| * Solar panel integration |  |  |
| * RBF and deployment switch integration |  |  |
| * Full power delivery testing |  |  |
| **PAY Verification (SSM)** |  |  |
| * Power-on |  |  |
| * Programming |  |  |
| * SPI Communication |  |  |
| * CAN Communication |  |  |
| * Communication with sensor board |  |  |
| **PAY Verification (Sensor)** |  |  |
| * Power-on |  |  |
| * Programming |  |  |
| * SPI Communication |  |  |
| * Communication with SSM |  |  |
| **BUS integration of all subsystems** |  |  |
| **Full functional test, entire system** |  |  |