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**IMPORTANT NOTES ABOUT THIS SCHEMATIC**

1) **DESIGN NOTES** in grey are information notes.

2) **DESIGN NOTES** in red are critical, and must be understood and followed.

3) A red X indicates suppression of error checking on a pin/net. Commonly suppressed errors include: single-pin net, no driving source, etc.

4) All unique components in this schematic should have a manufacturer’s part number displayed; exceptions to this rule are commodity passives such as resistors and capacitors.

5) Finally, population vs. non-population intent is indicated by adding “NP” next to the part. All parts with “NP” next to the part are intended to be unplaced during assembly.
DESIGN NOTE: R14, R15, and R17 are included, but not populated, to allow for additional features on future Skywire modems.

DESIGN NOTE: 0 ohm resistors R10, R11, R12, R13, R16, R18, R19, R20, R21, R28, and R33-R34 have a short through them to allow the 0 ohm resistors not to be placed. If users need to route a signal cut the trace in between the resistor pads, this will allow for the signal to be easily reconnected if needed.

DESIGN NOTE: EEPROM address is 0x50

EEPROM, WP’s for programming use and should be pulled high at all times to ensure Write Protection on U2
Design Note: RJ will cause the Skywire to automatically turn on around 10ms after power is applied.

Design Note: The Skywire USB Port will not power the Raspberry Pi or the Skywire.

Design Note: Skywire socket is two 2mm pitch 1x10 sockets.

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Design Note: Sky USB DM and DP are not connected to the debug headers.

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DESIGN NOTE: 5V Must be applied for Skywire to be powered.

DESIGN NOTE: Hat is designed for 5V input only.
<table>
<thead>
<tr>
<th>Assy Part Number</th>
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<tr>
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SCH Changes:
- Moved Skywire RTS connection from J11-33 to J11-35
- Moved Skywire CTS connection from J11-23 to J11-33
- Corrected SKWIRE-14 VCC to 3.3V in SKWIRE-14 (J11-33 on SKWIRE-14)
- Updated Memory image file
- Uploaded SCH

SCH Changes:
- Added 5V Silkscreen indicator near J5
- Implemented SCH changes

SCH Changes:
- Corrected J9/J10 to use correct pinout for Grove sensors
- Updated PCB, SCH, and Memory PN's
- Implemented SCH changes

SCH Changes:
- Added SKWIRE-14 VCC to 3.3V in SKWIRE-14 (J11-33 on SKWIRE-14)
- Updated Memory image file
- Uploaded SCH

SCH Changes:
- Implemented SCH changes