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Variant/Label Table

<table>
<thead>
<tr>
<th>Variant</th>
<th>Label Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>ChangeMe!</td>
</tr>
<tr>
<td>002</td>
<td>ChangeMe!</td>
</tr>
</tbody>
</table>

Assembly Notes

**ZZ1**

These assemblies are ESD sensitive, ESD precautions shall be observed.

**ZZ2**

These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

**ZZ4**

These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.
This schematic is *NOT SUPPORTED* and does not constitute a reference design. Only "community" support is allowed via resources at BeagleBoard.org/discuss.

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NOTE: PCB Revision for this board is Rev B6
Battery access pins. Pins are randomly placed to fit them in, but will be able to tie into them either with a cape or wires. Pins will not be populated.
CAUTION: USED ON BOARD

EXPANSION HEADER

EXPANSION HEADER

microSD CONNECTOR

uSD CONNECTOR

TIDA-010032

beagleboard.org
Wireless MCU RF

Place L10 and C18 close to pin 33.
Low inductance ground for C18

Remove C36 and place it at C37 (100pF) to select SMA Connector J7 for testing
Z60, Z61, Z62 and Z63 for Antenna matching

Wireless MCU IO block placed on page 2.

To use TCXO:
Remove R5, R6 & R9 (placed on Page-2)
Place 0 Ohms at R7 & R8

To use TCXO:
Remove R5, R6 & R9 (placed on Page-2)
Place 0 Ohms at R7 & R8

Wireless MCU IO block placed on page 2.
P10 selects the voltage source for the level shifters.
When powering the wireless MCU from the XDS supply, connect jumper between pins 1 and 2.
When powering the wireless MCU from an external supply, connect jumper between pins 2 and 3.

DIR = H: A -> B
DIR = L: B -> A

OE = H: output = Hi-Z

XDS-RST = 0 -> output = 0
XDS-RST = 1 -> output = Hi-Z

TMS signal is bidirectional.
TMS_DIR used to control direction of level shifter

Use P5 for debugging the wireless MCU with an external debugger (requires that all jumpers be removed)

Use P7 for debugging external targets (requires that all jumpers be removed)
EnergyTrace Power Supply

U39 VCC set at 3.6V, higher than switch supplies to prevent current through protection diodes.
Jumpers to be mounted on P4

Jumpers to be mounted on P10

Jumpers to be mounted on P6

Place standoffs on bottom side on MH1 thru MH4
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