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The VPGUIB is the updated VP ONCORE TM Interface Board. This board provides support for the for the VP ONCORE TM, GT+ ONCORE TM and the UT+ ONCORE TM GPS engines. The VPGUIB is built and tested with a VP ONCORE and only requires your custom interface wiring (typical wiring hardware provided)..

This board features:

- Daughter board that is the same size as the GPS Engine
- A highly efficient regulator which provides 5 vdc @ 250 ma from a 7-40 vdc source, without heat sink.
- Direct RS232 connection for input and output control of the GPS engine.
- Second port available to support the DGPS input for the GT+ engines (at solder pad D for input).
- 1PPS output at RS232 levels for DCD signaling connected to DB9 pin1 (pin 6 on 10 pin header).
 - -- Provides timing signal and needed for TAC32 software from TAPR.
- Provision for adding a lithium backup battery for GPS engines without the rechargeable backup battery.
- Provision for adding the TAC low-z 1PPS output (at bottom of board) with flashing LED indication.

Board wiring comments:

- For DGPS inputs, the input is though RXB (DB9-3), which is the same input for commands to the GPS (the only exception is the GT+ which has it's own RXB input of DGPS and is at solder pad D). You can use a SPDT switch to switch RXB from DGPS input to PC input, on DB9-3. Or use a mini phone jack with a NC switch. Wire the jack to pass RXB to DB9-3, when the plug is not installed and wire the jack to send DGPS signals to DB9-3, when plug is installed (DGPS connected through plug).



