

TECHNICAL SPEC FOR 9602DB

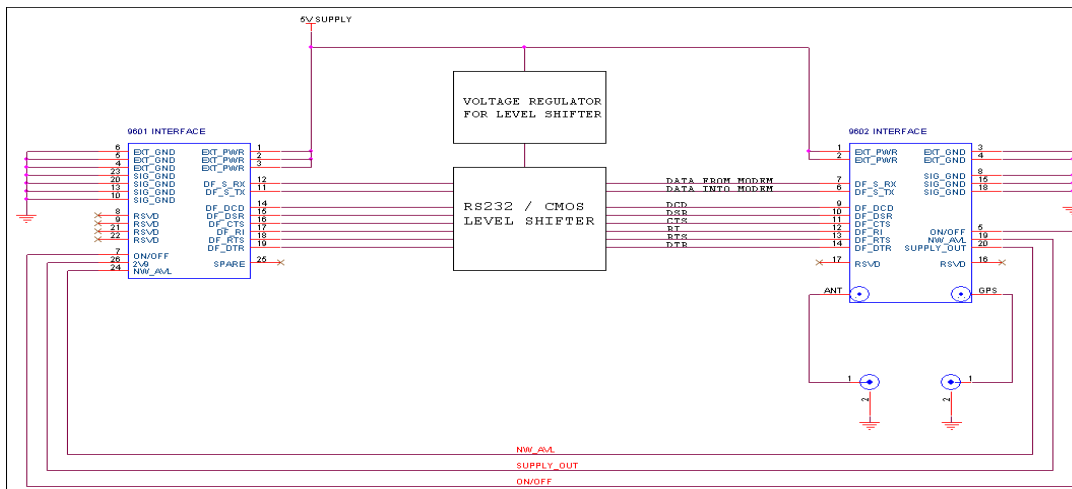
The 9602 daughter-board (DB) is designed as a drop-in replacement for applications using the new 9602 SBD modem and at the same time using the older 9601 SBD modem interface (connector). The 2-D mechanical dimension of the DB is the same as that of the 9601, with the 26 pin header positioned at the same location as that of a 9601 modem. The only integrated circuit device on the DB is a level shifter that translates CMOS voltage levels into RS232 levels and vice versa as well as a regulated power supply (3.3V) for the level translator. In addition to the 9-wire communication signals the following digital signals to and from the 9602 are brought on to the mating connector.

- ON/OFF
- Network Available
- Supply Out

The DB also allows the user to make use of the GPS pass-thru feature available on the 9602 modem.

A system level drawing of the DB, showing the I/Os, power supply connections and the RF connections are shown in the diagram below. The function of the DB is to translate the CMOS signals from the 9602 modem into RS232 signals as required by the 9601 modem interface as well as to provide a carrier board for the 9602 modem.

Power requirements are the same as that of a 9601 SBD modem. The input requires a well regulated 5V +/- 0.5V supply capable of providing at least 2A of current. All the electronic components on the DB have a specified operating temperature range of -40 to +85 deg C.



Top View

Bottom View

