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9602 SBD  
PowerTray D15

# 9602 SBD Powertray D15

The 9602 SBD PowerTray D15 is designed to carry the Iridium 9602 SBD satellite transceiver. The board contains everything needed, including onboard voltage regulators, RS232 level shifting and protection circuitry, to easily connect the 9602 transceiver to an RS232 DTE port.

The 9602's antenna connector is conveniently converted to an SMA female connector. Onboard LEDs allow the power status and network availability to be observed at a glance. SBD ON/OFF control is provided via pin 6 to control power to the unit.

Leave Open Circuit for ON (internally pulled to 3.3V) and pull to Ground to turn OFF. The input voltage range is 6 to 35VDC, making it suitable for both aircraft and vehicle systems.

## Features

- RS232 + Power in one D15 interface
- SMA-F RF connector
- Built-in over-current protection and level conversion
- Compact design:  
64 x 75 x 16mm (W x L x H)
- Status LEDs



## Applications

Aviation, Construction, Emergency, Forestry, Tracking, Government, Maritime, Mining, Oil & Gas, Utilities

## Operating Temperature

40°C to 85°C

## DB15 Interface

Pin #	Name	Description
1	SBD_RI	*Ring Indicator
2	SBD_CTS	*Clear to Send
3	SBD_DSR	*Data Set Ready
4	SBD_RX	*Serial Data Output
5	GND	Supply Ground
6	SBD_ON_OFF	O/C = ON, GND = OFF
7	SBD_DTR	*Data Terminal Ready
8	SBD_RTS	*Request to Send
9	SBD_DCD	*Data Carrier Detect
10	SBD_TX	*Serial Data Input
11	GND	Supply Ground
12	NET_AVAIL	Network Available
13	GND	Supply Ground
14	RESERVED	Do Not Connect
15	Vin	Positive input supply

\* See SBD Developers guide for more information.



## Status LEDs

The status LEDs consists of a red and a green LED stack. The red LED indicates that power is available from the regulator. The green LED has the following meanings:

**OFF:** The SBD terminal is powered off. The ON/OFF switch controls this.

**FLASH:** The SBD terminal is powered on but the NETWORK\_AVAILABLE pin is de-asserted (network not available).

**ON:** The SBD terminal is powered on and the NETWORK\_AVAILABLE pin is asserted (network is available).

## Technical Information

	Min	Nom	Max	Unit
Input Voltage	6	-	35	V
Current consumption (no SBD, LEDs off)	8	9	10	mA
Peak Instantaneous Power Requirement			12	W
Operating Temperature	- 40	-	85	°C
Storage Temperature	- 50	-	100	°C