



# SAB

## GPS Smart Antenna Adapter Board with Flat Flex Cable Accessory

The SAM and SAM-LS smart antennas from u-blox provide a 20-pin interface for flat flex cables. The SAB is an interfacing aid for these smart antennas. It consists of a flat flex cable and a stamp-sized board and makes all signals available on a 2.54 mm grid two-row receptacle.

### Benefits

- Quick and convenient interfacing to u-blox GPS Smart Antenna Products SAM and SAM-LS



### Pin Assignment

X2 Adapter Connector	X1 Smart Antenna Connector	Smart Antenna Signal Name
1		( not connected )
2		GND
3		( not connected )
4		GND
5		( not connected )
6		GND
7		( not connected )
8		GND
9	10	RXD2
10		GND
11	8	TXD2
12		GND
13	12	TXD1
14		GND
15	14	RXD1
16		GND
17	18	VCC
18		GND
19		( not connected )
20		GND

All GND pins of X1 are connected to GND on the SAB board.

### Jumpers

**J1:** RESET\_N Signal (Smart Antenna pin 4)

- Upper pin: RESET\_N
- Lower pin: GND

Jumper settings:

- Shorted: Asserted
- Open: Not asserted

**J2:** V\_BAT (Smart Antenna pin 6)

- Upper pin: V\_BAT
- Lower pin: GND

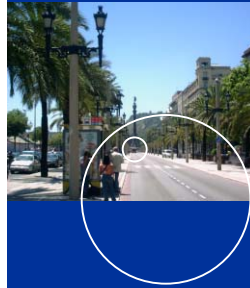
Jumper settings:

- Shorted: V\_BAT shorted to ground. Short to ground when not supplying a backup voltage
- Open: Connect upper pin to VBAT source to provide battery backup to the Smart Antenna Module.

### Ordering Information

**SAB-ST-0-000-0** Smart Antenna Adapter Board, single units

*your position  
is our focus*



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