

### 3 Installing the Receiver

## Connectors and Pinouts

Use the following pinout information if you need to wire a cable for use with the *AgGPS 252* receiver.

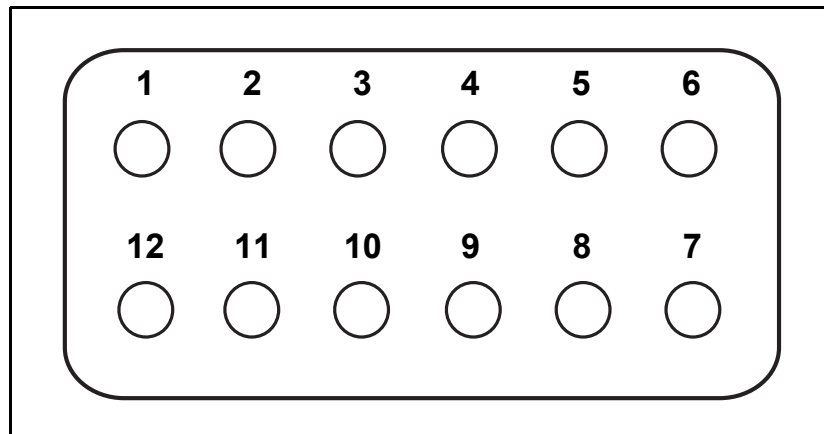


Figure 3.2 *AgGPS 252* receiver port pinout

## Port A

Port A on the receiver has a 12-pin Deutsch DTM connector. For cables, use the mating connector, Deutsch part number DTM06-12SA.

Viewed from outside the receiver, the Port A connector is on the left. It is the port that is typically used to connect to an Autopilot system.

**Table 3.3 Port A pinout**

Pin	Name/Function	Comments
1	CAN A High I/O	
2	Port 1 RS232 Tx OUT	When held to ground during power up, puts unit into Monitor mode
3	Port 1 RS232 Rx IN	
4	PPS OUT	
5	Signal GND	Used for RS232 and other signals. Should not be connected to V- (battery negative)
6	Port 1 RTS OUT	
7	Event OUT / Alarm OUT	
8	Port 1 CTS IN	
9	Event IN	
10	V+ IN	
11	V- IN	
12	CAN A Low I/O	

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#### Port B

This port has the same connector as Port A, see above. Viewed from outside the receiver, the Port B connector is on the right. It is the port that is typically used to connect to the SiteNet 900 radio.

**Table 3.4 Port B pinout**

Pin	Name/Function	Comments
1	CAN B High I/O	
2	Port 2 RS232 Tx OUT	
3	Port 2 RS232 Rx IN	
4	PPS OUT	
5	Signal GND	Used for RS232 and other signals. Should not be connected to V– (battery negative)
6	Port 2 RTS OUT or Port 3 RS232 Tx OUT	
7	Event OUT / Alarm OUT	
8	Port 2 CTS IN or Port 3 RS232 Rx IN	
9	Event IN	
10	V+ IN / OUT	Maximum output current = 1.25 A
11	V– IN / OUT	Maximum output current = 1.25 A
12	CAN B Low I/O	