Pin	Signal name	Description	Integration notes
1	GND	Ground Digital ground	Ground Digital ground
2	RTK LED	RTK LED. Flashes when an RTK correction is present. This is similar to all BD9xx products, except for the requirement for an external resistor.	When used to drive an LED, a series resistor with a typical value of 300 Ohms is required. This pin supplies a maximum current of 4mA For LEDs with Vf above 2.7 or current excess of 4mA, an external buffer is required.
3	POWER_ OFF	Powers the unit on and off.	Drive high with a 3.3 V to turn off, leave floating or ground to keep the unit on. Integrators should not drive TTL signals when the unit is not powered.
4	PPS (Pulse Per Second)	Pulse Per Second	This is 3.3 V TTL level, 4mA max drive capability. To drive 50 load to ground, an external buffer is required.
5	VCC Input DC Card Power	VCC Input DC Card power (5.5-36 V)	VCC Input DC Card power (5.5-36 V)
6	VCC Input DC Card Power	VCC Input DC Card power (5.5-36 V)	VCC Input DC Card power (5.5-36 V)
7	Event2, CAN1_Rx and COM3_ Rx	Event2 – Event input CAN1_Rx - CAN Receive line COM3_Rx – COM3 Receive line – TTL Level	MUTUALLY EXCLUSIVE and TTL level. Connect Event2 to a TTL level signal to use as Event. Connect CAN1_Rx to RX line of a CAN driver to use as CAN. Connect COM3_Rx to a transceiver if RS-232 level is required.
8	Event1	Event1 – Input	Event1 (must be 3.3 V TTL level)
9	Power LED	POWER Indicator. High when unit is on, low when off. This is similar to all BD9xx products, except for the requirement for an external resistor.	When used to drive an LED, a series resistor with a typical value of 300 Ohms is required. This pin supplies a maximum current of 4mA For LEDs with Vf above 2.7 or current excess

Pin	Signal name	Description	Integration notes
		This allows user to use this as a control line.	of 4mA, an external buffer is required.
10	Satellite LED	Satellite LED. Rapid flash indicates <5 satellites. Slow flash indicates >5 satellites.	When used to drive an LED, a series resistor with a typical value of 300 Ohms is required. This pin supplies a maximum current of 4mA For LEDs with Vf above 2.7 or current excess of 4mA, an external buffer is required.
11	COM2_ CTS	COM2 Clear to Send – TTL Level	Connect COM2_CTS to a transceiver if RS-232 level is required.
12	RESET_IN	RESET_IN – ground to reset	Drive low to reset the unit. Otherwise, leave unconnected.
13	COM2_ RTS	COM 2 Request to Send – TTL Level	Request to Send for COM 2 connect to a transceiver if RS-232 level is required.
14	COM2_ Rx	COM 2 Receive Data – TTL Level	Connect COM2_RX to a transceiver if RS-232 level is required.
15	USB_OTG ID		
16	COM2_Tx	COM 2 Transmit Data – TTL Level	Connect COM2_TX to a transceiver if RS-232 level is required
17	NO CONNECT	Reserved	
18	COM1_ Rx	COM 1 Receive Data – TTL Level	
19	CAN1_Tx and COM3_Tx	CAN1_Tx - CAN Transmit line COM3_Transmit Data – TTL Level	MUTUALLY EXCLUSIVE and TTL level. Connect CAN1_Tx to TX line of a CAN driver to use as CAN. Connect COM3_Tx to a transceiver if RS-232 level is required
20	COM1_Tx	COM 1 Transmit Data – TTL Level	
21	USB D (-)	USB D (-) Bi-directional USB interface data (-)	Device Mode only. If VCC is supplied, USB detects VBUS.
22	USB D (+)	USB D (+) Bi-directional USB interface data (+)	Device Mode only. If VCC is supplied, USB detects VBUS.
23	GND	Ground Digital ground	Ground Digital ground
24	GND	Ground Digital ground	Ground Digital ground

Pin	Signal name	Description	Integration notes
1 (27)	ETH_RD-	Ethernet Receive line minus. Differential pair.	Connect to Magnetics RD-.
2 (28)	ETH_RD+	Ethernet Receive line plus. Differential pair.	Connect to Magnetics RD+.
3 (29)	CENT_RD	RD Magnetic center tap.	Connect to Magnetics RD Center Tap.
4 (30)	ETH_TD+	Ethernet Transmit line plus. Differential pair.	Connect to Magnetics TD+.
5 (31)	ETH_TD-	Ethernet Transmit line minus. Differential pair.	Connect to Magnetics TD-.
6 (32)	CENT_TD	TD Magnetic center tap.	Connect to Magnetics TD Center Tap.

Данные для настройки модуля Trimble BD930 UAV KIT GEOBOX для БПЛА:

Пароль Wi-Fi: 12345678

Логин: admin

Пароль: password

IP адрес GNSS: 192.168.1.2

IP адрес роутер: 192.168.1.1

