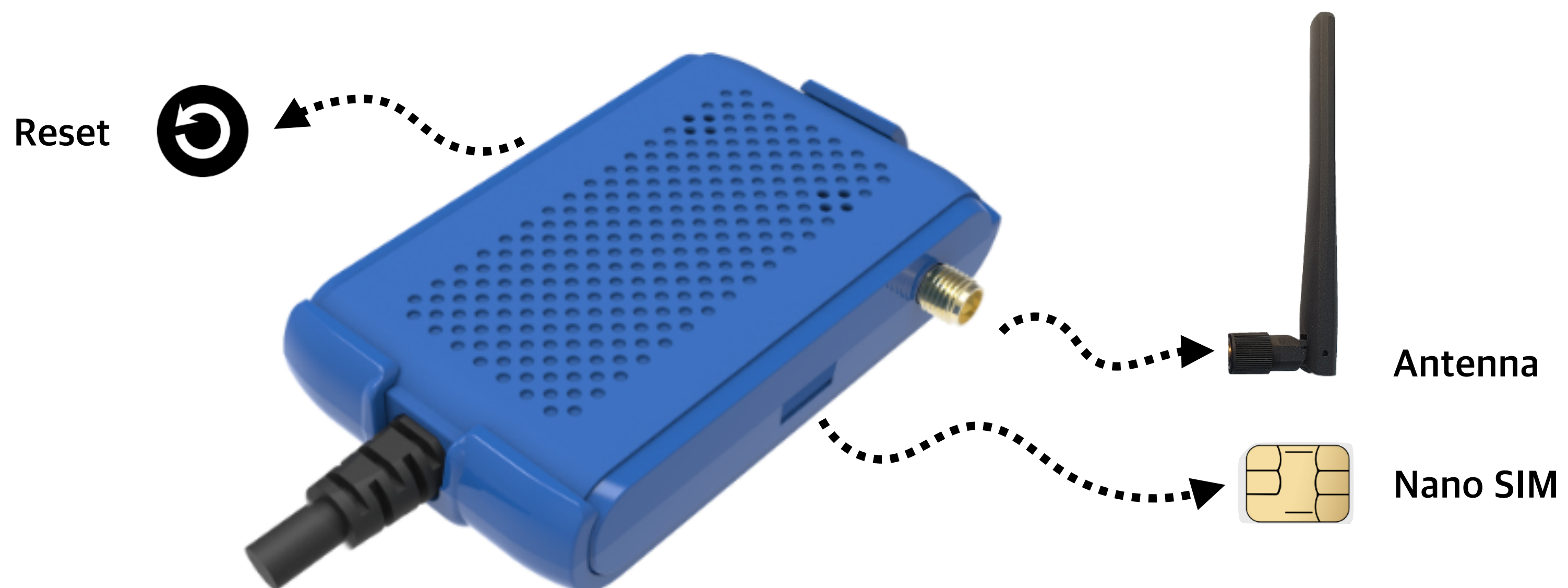


DAVID | LTE-M (Cat-M1) MODEM

Low power cellular IoT 모뎀

MD-LTE-M-21-01

구성



Power & External interface

기능

- ▶ LTE-M / NB-IoT modem | Global Coverage
 - ▶ Reset button & LEDs (Power, Connectivity, GPS, System)
 - ▶ GPS *
 - ▶ Bluetooth 5 *
 - ▶ Low Power 3-axis Accelerometer *
 - ▶ Serial Flash (32 Mbit)* | RTC *
 - ▶ Silicon Labs CP210x USB to UART Converter*
 - ▶ LiPo battery connector | Charger *
 - ▶ AT command (3GPP+)
 - ▶ TCP / UDP / HTTP / HTTPS / MQTT
 - ▶ eDRX & PSM power saving modes
 - ▶ SSL / TLS & Secure FOTA support
 - ▶ 700 ~ 2200 MHz LTE band support
 - ▶ 23 dBm output power
 - ▶ IPv4 / IPv6
- * 선택사양

사양

Operating Voltage / Current	DC 5V / 400mA 이하	Battery Voltage	DC 3.2 ~ 4.2V
Dimensions	48(w) x 80(h) x 20(d)	External Interface	Power, UART, Reset
Throughput (DL/UL)	LTE-M : 300 / 375kbps NB-IoT : 30 / 69 kbps	RX Sensitivity	LTE-M : -108 dBm NB-IoT : -114 dBm
Antenna Gain	2 dBi	Radiation Pattern	Omni - Directional

응용분야

- ▶ 물류 | 자산 위치 추적 서비스
- ▶ 스마트 시티 | 스마트 농업
- ▶ 태양광 설비 모니터링
- ▶ 현장 출동 | 유지보수 서비스
- ▶ Wearable 장치 | 의료 | 헬스케어
- ▶ 가로등 | 보안등 | 라이프 스타일

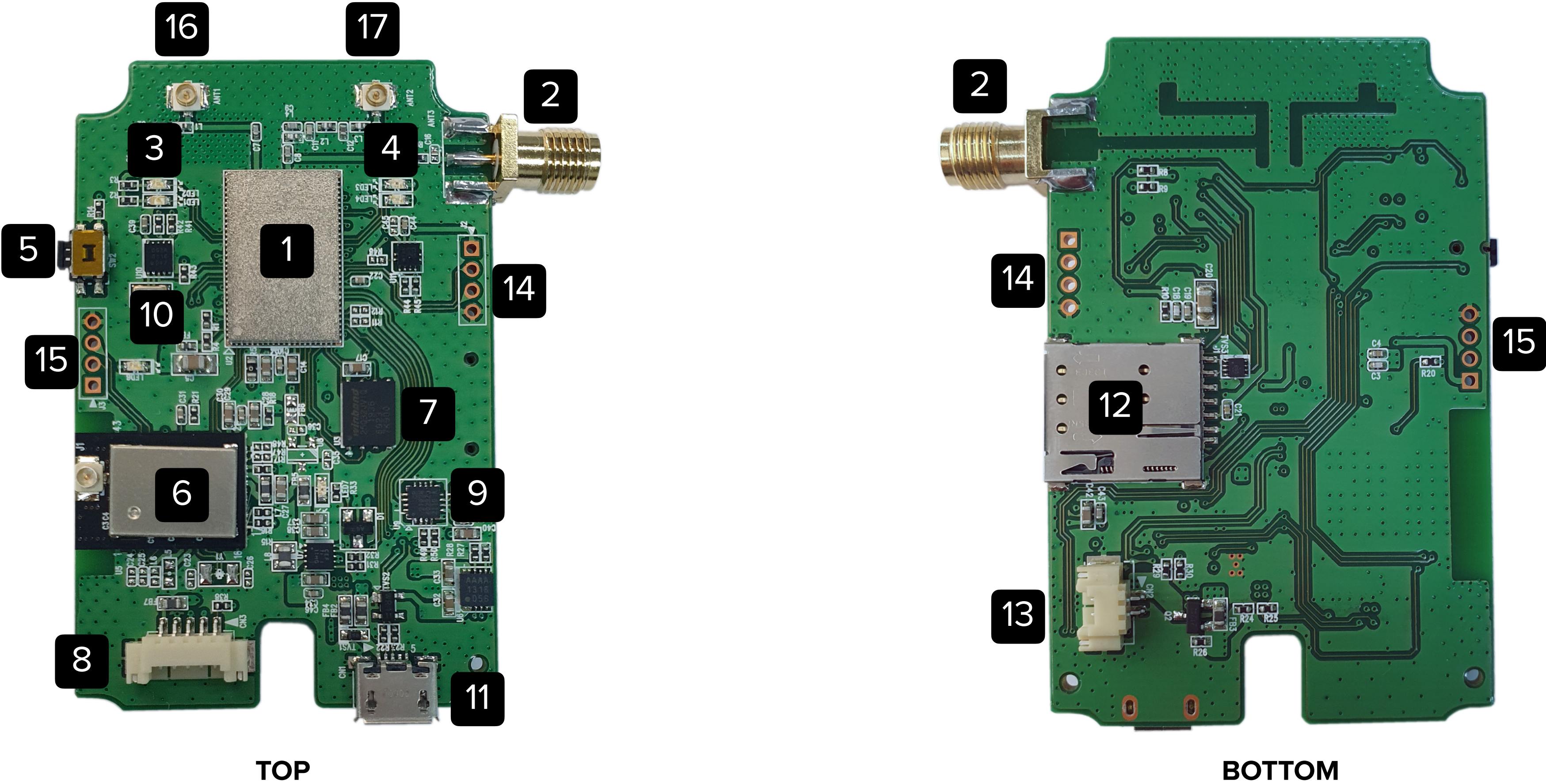


기기의 명칭 : LTE-M 모뎀
모델명 : MD-LTE-M-21-01
인증번호 : R-R-mba-MD-LTE-M-21-01
상호명 : 주식회사 모빌리안

제조사 및 제조국가 : 주식회사 모빌리안 / 대한민국
제품 AS 문의 : 02-6080-6256 info@mobilian.biz
제조년월일 : 2021.07
제조번호 : MD-LTE-M-21-00001

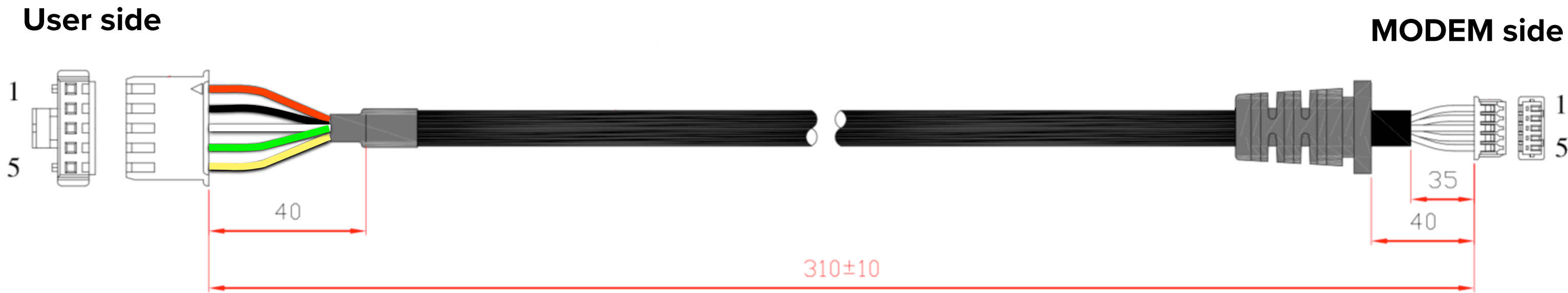
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No.	Description	No.	Description
1	nRF9160 SiP	10	RTC *
2	SMA antenna connector	11	Micro USB to UART converter * (Silicon Labs - CP210x)
3	LED (Green, Blue)	12	Nano SIM socket
4	LED (Red, Blue)	13	LiPo battery connector *
5	Reset SW.	14	nRF9160 MODEM SWD
6	Bluetooth 5 (nRF52840) *	15	nRF52840 Bluetooth SWD
7	Serial Flash (32 Mbit) *	16	GPS antenna connector
8	External connector (Power, UART)	17	Ext. antenna connector
9	Low power 3-axis accelerometer *		

Customizable external connector⁽⁸⁾



No.	Description	No.	Description
1	VCC (5V)	3	TxD
2	GND	4	RxD
		5	nRESET (Active Low)