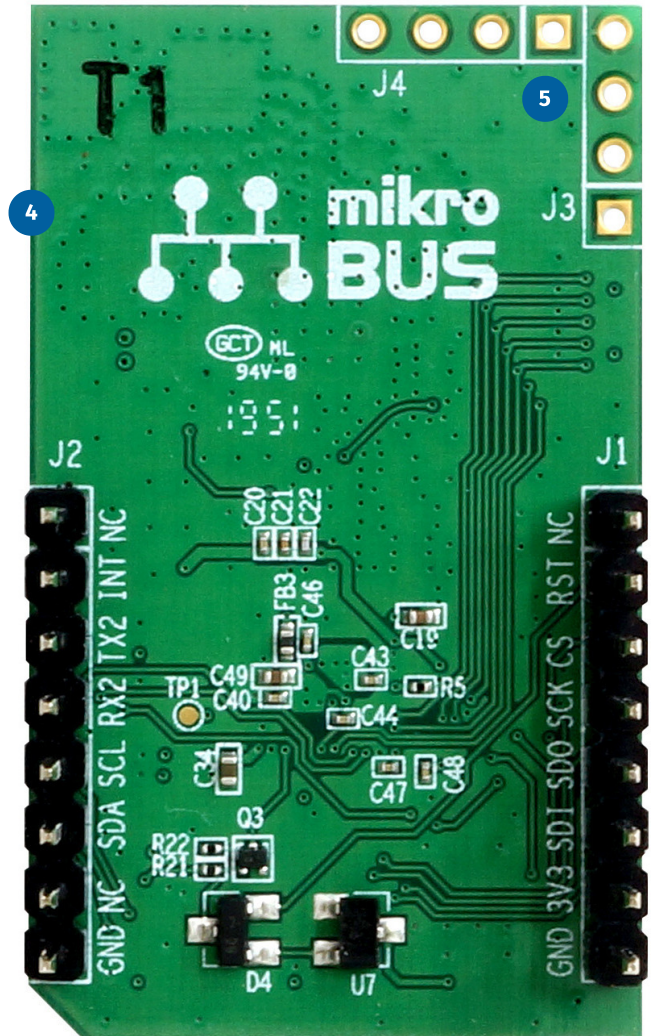
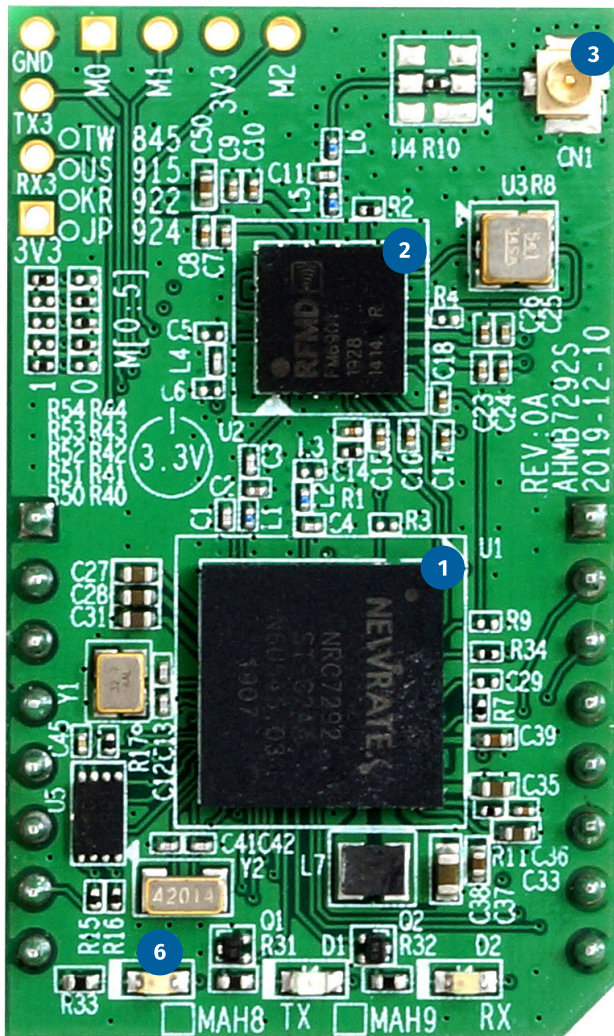




AHMB7292S is world's first WiFi HaLow™ module for mikroBUS™

The AHMB7292S module series allows building long range, ultra-low power WiFi networks in sub 1 GHz license-exempt bands. WiFi HaLow™ enables connectivity for many applications, including sensors and wearables.

With support for standalone and host based modes, up to 15 Mbps data throughput and complete SDK, getting started with this new WiFi standard will be straightforward.

Key features

- 1 Newracom™ NRC7292 WiFi HaLow™ SOC (IEEE 802.11ah draft 8.0 compliant)
- 2 Qorvo™ RFFM6901 front-end
- 3 IPEX/U.FL antenna connector
- 4 mikroBUS™ M-size form factor
- 5 Connectors for UART and mode select
- 6 3x LED

Chipset	Newracom™ NRC7292
Frequency	847 MHz (TW) 866 MHz (EU) 915 MHz (US) 922 MHz (KR) 924 MHz (JP)
Modulation	OFDM with BPSK, QPSK, 16QAM, 64QAM
Data rate	150 Kbps ~ 15 Mbps
Channel bandwidth	1/2/4 MHz
Antenna connector	1× IPEX/U.FL
Interfaces	SPI UART I ² C
LED	1× power 1× TX 1× RX
Form factor	mikroBUS™ M-size
Dimensions	25.4 × 42.9 × 3.0 mm (without headers)
Software	https://github.com/newracom/

