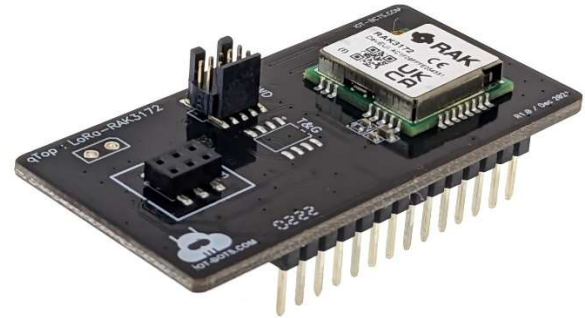
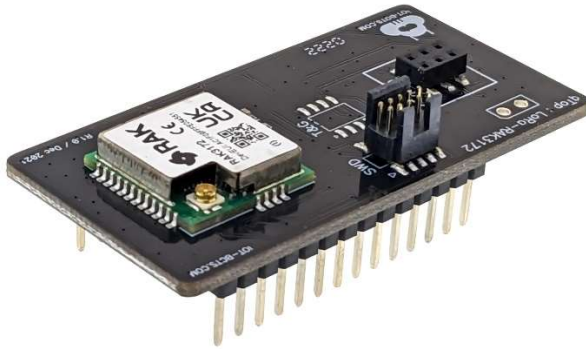


qTop LoRa RAK3172 AMC shield

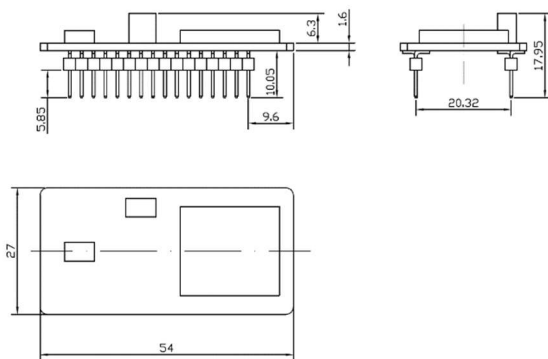
qTop LoRa RAK3172 AMC Shield is the easiest way to bring the LoRa wireless to your Arduino MKR Compatible board DIY IOT project. Low-Power Long Range LoRa Technology Transceiver RAK Wireless RAK3172 module based qTop shields to be used together with popular Arduino MKR Compatible IOT boards to build various DIY IOT projects.



FEATURES

- Compliant with Class A, B and C of LoRaWAN 1.0.3 specifications;
- Optimized Power Management: Integrated Power On/Off Control and Ultra-Low Power Consumption Core (STM32WLE5JC);
- Flexible and compatible interface: All module UART pins are accessible through PCB jumpers;
- Shield identification feature: Device ID EEPROM chip integrated allows to keep Shield info, version and unique ID of the product;
- Sensor Add-On capability: Built in qJam connector gives opportunity to bring to the system any qJam family device;
- Debug / FW Upgrade ready: Built in 10-pin ARM SWD connector for module FW update and custom FW debugging;
- Popular IOT board compatibility: pin-to-pin compatible with popular Arduino MKR IOT boards.

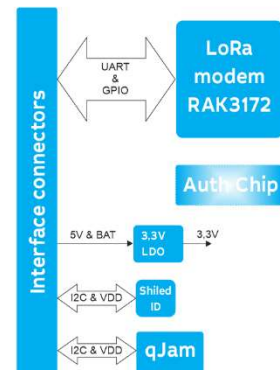
MECHANICAL



Note : All dimensions are preliminary

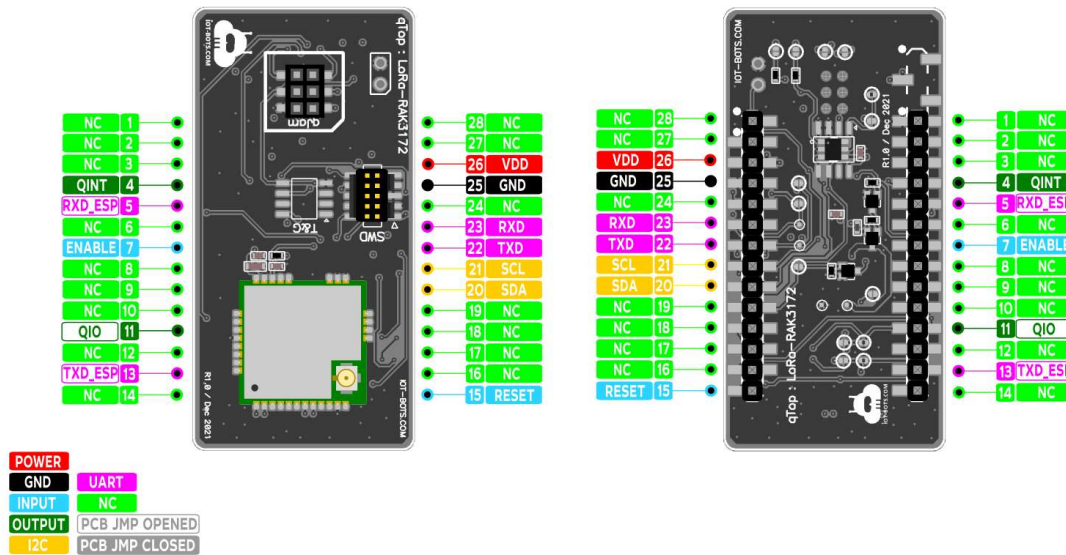
BLOCK DIAGRAMM

qTop RAK3172 LoRa Shield





PINOUT



ELECTRICAL

Parameter	Min	Typ.	Max
Power Supply, VDC	2.0	3.3	3.6
Digital I/O Pins, VDC	0	3.3	3.6
SWD Pin, VDC	0	3.3	3.6
Networks	LoRa (868/915MHz)		
Location	NA		
Operating Temperature	-40 °C to +85 °C		

ASSEMBLING



FCC ID

2AF6B-RAK3172

IC ID

25908-RAK3172

PRODUCT PAGE

[qTop LoRa RAK3172 AMC Shield page](#)

ORDERING INFO

IBT-QTL-AMC-RAK3172

CONTACT INFO

support@iot-bots.com

www.iot-bots.com