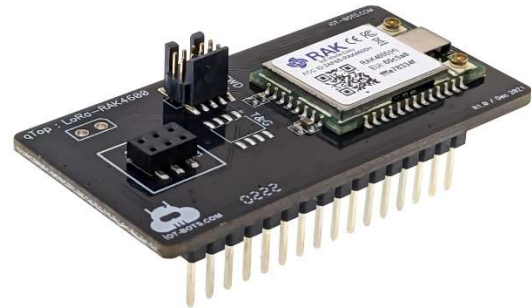


qTop LoRa RAK4600 AFC shield

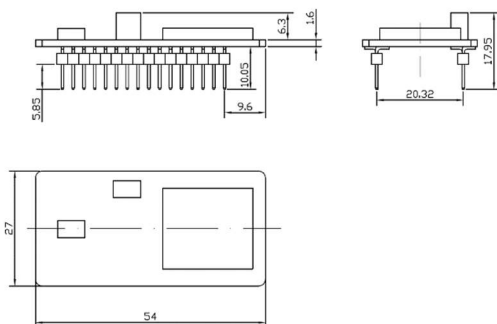
qTop LoRa RAK4600 AFC Shield is the easiest way to bring the LoRa & BLE wireless to your Adafruit Feather Compatible board DIY IOT project. Low-Power Long Range LoRa Technology Transceiver RAK Wireless RAK4600 module based qTop shields to be used together with popular Adafruit Feather Compatible IOT boards to build various DIY IOT projects.



FEATURES

- Compliant with the LoRaWAN 1.0.2 specifications;
- BLE interface available: nRF52832 MCU and an SX1276 LoRa chip based module;
- Optimized Power Management: Integrated Power On/Off Control and Ultra-Low Power Consumption Core;
- Shield identification feature: Device ID EEPROM chip integrated allows to keep Shield info, version and unique ID of the product;
- Flexible and compatible interface: All module UART pins are accessible through PCB jumpers;
- 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 Adafruit Feather IOT boards

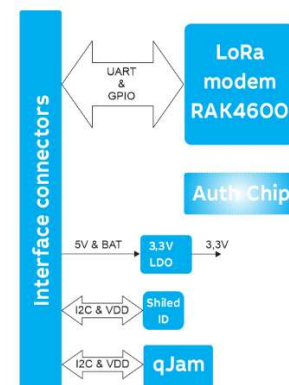
MECHANICAL



Note : All dimensions are preliminary

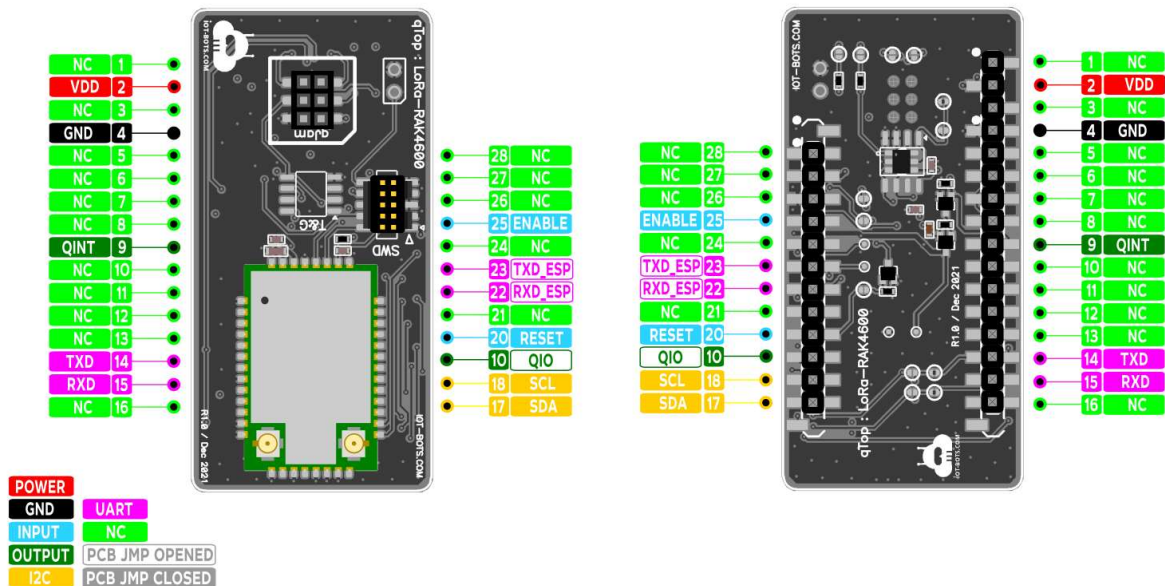
BLOCK DIAGRAMM

qTop RAK4600 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)		
Wireless Connectivity	BLE 5.0		
Location	NA		
Operating Temperature	-40 °C to +85 °C		

ASSEMBLING



FCC ID

2AF6B-RAK4600H

IC ID

NA

PRODUCT PAGE

[qTop LoRa RAK4600 AFC Shield page](#)

ORDERING INFO

IBT-QTL-AFC-RAK4600

CONTACT INFO

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