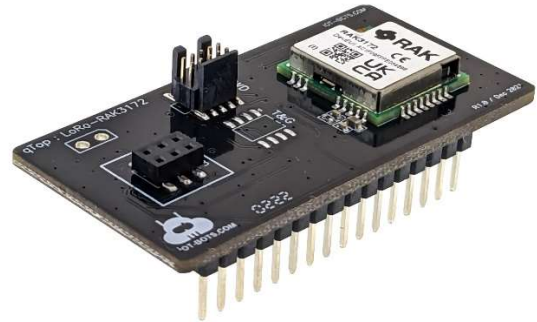


## qTop LoRa RAK3172 AFC shield

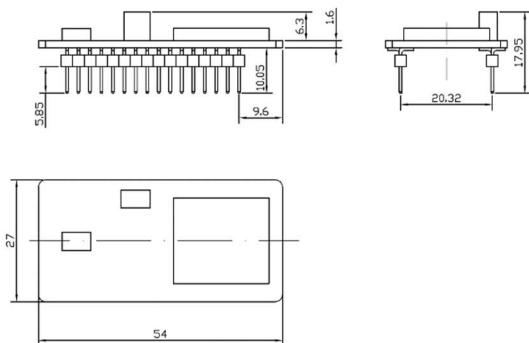
qTop LoRa RAK3172 AFC Shield is the easiest way to bring the LoRa wireless to your Adafruit Feather Compatible board DIY IOT project. Low-Power Long Range LoRa Technology Transceiver RAK Wireless RAK3172 module based qTop shields to be used together with popular Adafruit Feather Compatible IOT boards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

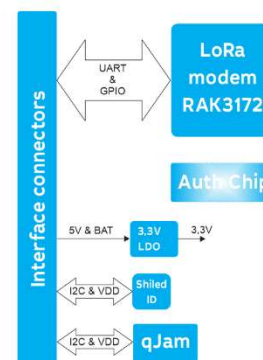
### MECHANICAL



Note : All dimensions are preliminary

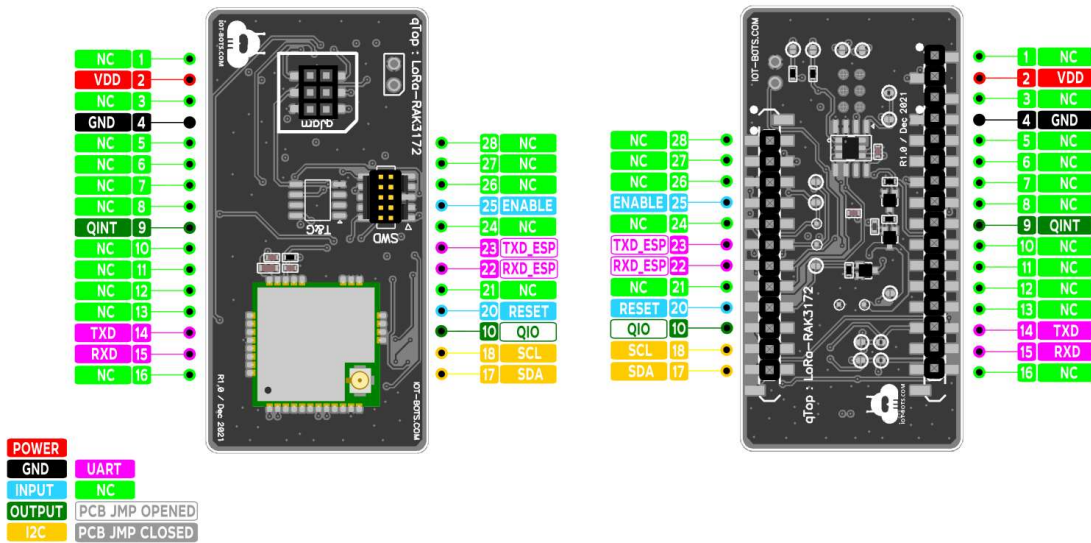
### BLOCK DIAGRAMM

#### 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 AFC Shield page](#)

## ORDERING INFO

IBT-QTL-AFC-RAK3172

## CONTACT INFO

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