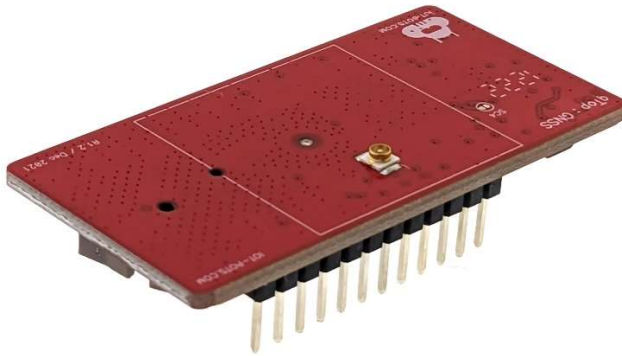


## qTop GNSS External Antenna AFC shield

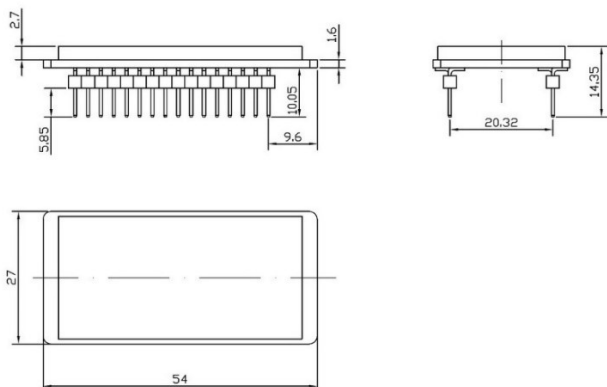
qTop GNSS External Antenna AFC Shield is the easiest way to bring GNSS Location feature to your Adafruit Feather Compatible board DIY IOT project. Low power Multi-GNSS engine Quectel L76 module based qTop shields to be used together with popular Adafruit Feather Compatible IOT boards to build various DIY IOT projects.



### FEATURES

- Ultra-low power & enhanced performance Quectel L76 module based shield;
- Optimized Power Management: Integrated Power On/Off Control;
- Flexible and compatible interface: All module UARTs and control pins are accessible through PCB jumpers;
- External antenna option: Built-in u.FL connector for External antenna to be connected;
- Backup Battery Feature: Built-In Real Time Clock CR1220 Battery Holder;
- Popular IOT board compatibility: pin-to-pin compatible with popular Adafruit Feather IOT boards.

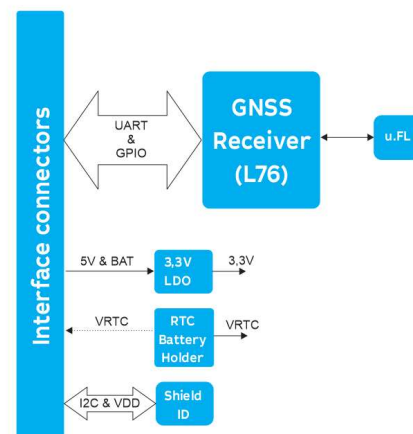
### MECHANICAL



Note : All dimensions are preliminary

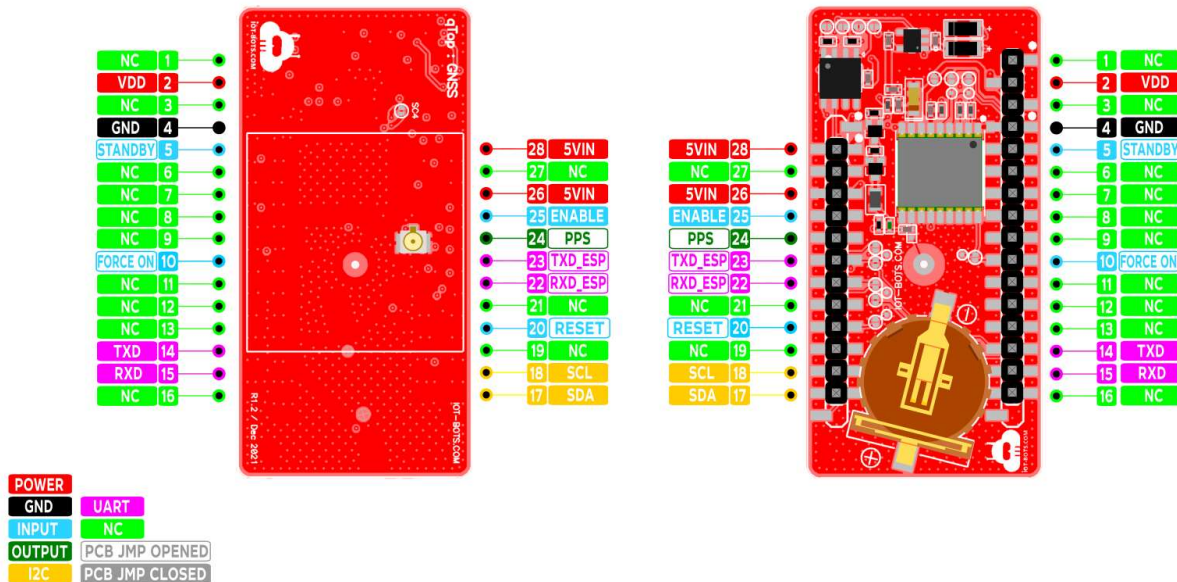
### BLOCK DIAGRAMM

#### qTop L76-E GNSS Shield





## PINOUT



## ELECTRICAL

Parameter	Min	Typ.	Max
Power Supply, VDC	3.6	4.2	5.5
Digital I/O Pins, VDC	0	3.3	3.6
RTC Pin, VDC	0	3.0	3.0
Networks	NA		
Location	BeiDou, Galileo, GLONASS, GPS, QZSS		
Operating Temperature	-40 °C to +85 °C		

## ASSEMBLING



## PRODUCT PAGE

[qTop GNSS Ext. Antenna AFC Shield page](#)

## ORDERING INFO

IBT-QTN-AFC-L76-E

## CONTACT INFO

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