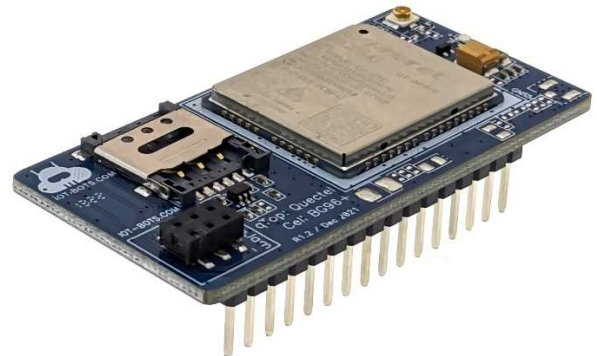


qTop NB-IOT BC95-G AFC shield

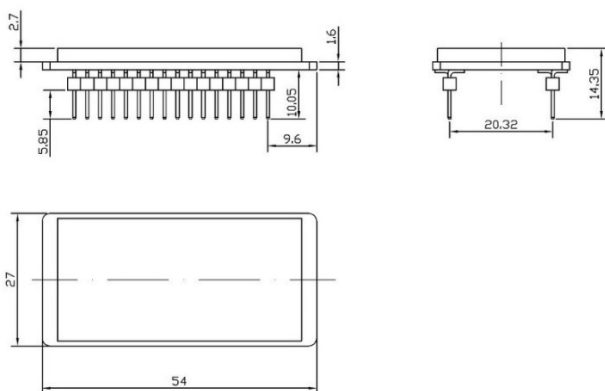
qTop BC95-G NB-IOT Adafruit Feather Compatible Shield is the easiest way to bring the cellular wireless functionality to your Adafruit Feather Compatible board DIY IOT project. qTop BC95-G NB-IOT AFC shield is based on Quectel BC95-G LTE NB-IOT wireless module. qTop BC95-G shield is developed to be used together with popular Adafruit Feather Compatible IOT boards to build various DIY IOT cellular connectivity projects.



FEATURES

- High-performance ultra-low power consumption NB-IoT Quectel BC95-G module based shield;
- Reliable and Optimized Power Management: Integrated High Efficiency Single Inductor Buck-Boost TPS63020 converter;
- Flexible and compatible interface: All modem UARTs pins are accessible through PCB jumpers and 3,3V translators;
- Flexible antenna options: Two built-in u.FL connectors for Cellular antenna to be connected;
- Shield identification feature: UID 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 devices;
- Popular IOT board compatibility: pin-to-pin compatible with favorite Adafruit Feather IOT boards;
- Shock & Vibration resistant SIM Card Holder: World's smallest hinged nano-SIM Card holder integrated.

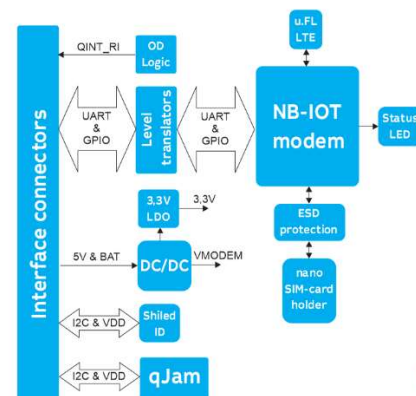
MECHANICAL



Note : All dimensions are preliminary

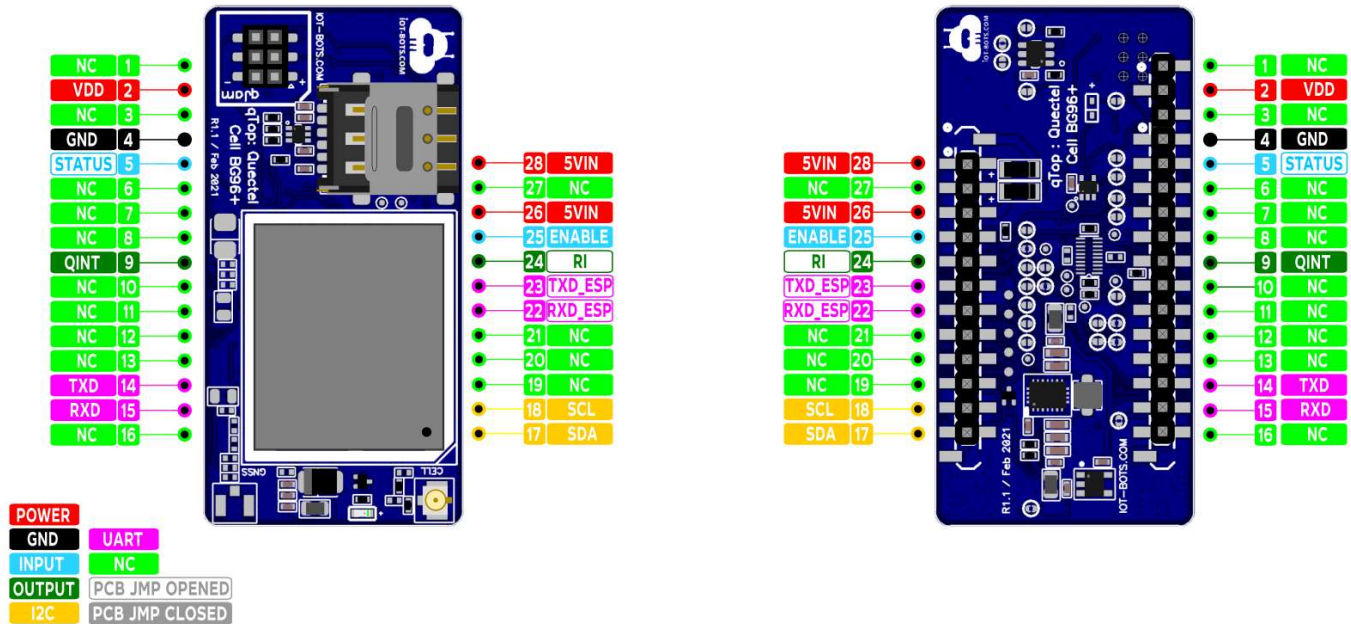
BLOCK DIAGRAMM

qTop BC95 NB-IOT Modem 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	LTE NB-IOT		
Location	NA		
Operating Temperature	-35 °C to +75 °C		

ASSEMBLING



PRODUCT PAGE

[qTop NB-IOT BC95 AFC Shield page](#)

ORDERING INFO

IBT-QTC-AFC-BC95

CONTACT INFO

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