

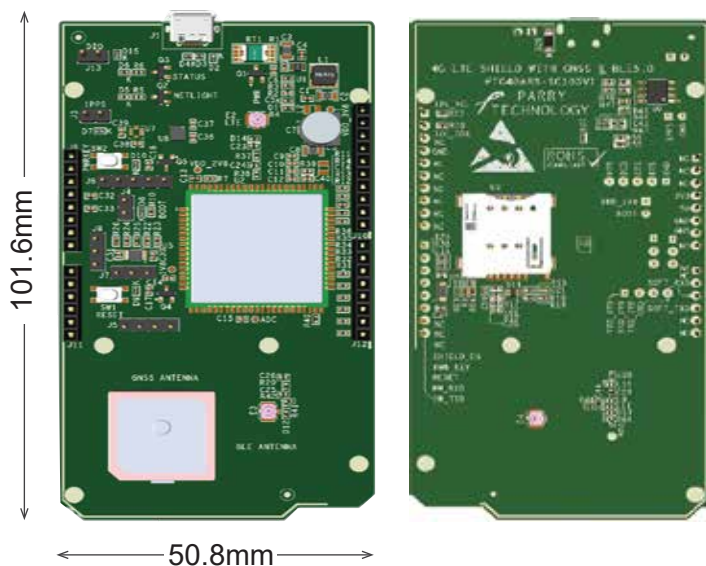
## “4G LTE Shield with GNSS and BLE5.0”

Based on A7672S

LTE module, supporting GSM, LTE-FDD, LTE-TDD communications at LTE-CAT1 speed, GNSS (GPS) and BLE5.0. This product is directly pluggable with Arduino UNO board enabling applications like vehicle tracking, asset monitoring, Industrial Internet of things etc., The board can also be used in standalone mode. Board has optional sensors for 6 axis sensing (Accelerometer + Gyro meter), barometer, and Secure element IC for secured connectivity not populated. AT Command interface can be accessed through UART pins or through the USB connector used on the PCB.

### Features

Worldwide LTE/GSM communication coverage.  
Supports GSM, LTE-TDD and LTE-FDD at CAT1 speed,  
GPS and BLE



## 4G LTE SHIELD WITH GNSS AND BLE5.0

UART communication between the LTE module in the shield and Arduino UNO board for AT commands.

Level translated I/Os available for controlling LTE module ON/OFF, Reset etc.,

Input over current protection, ESD protection for antenna and other external interface signal.

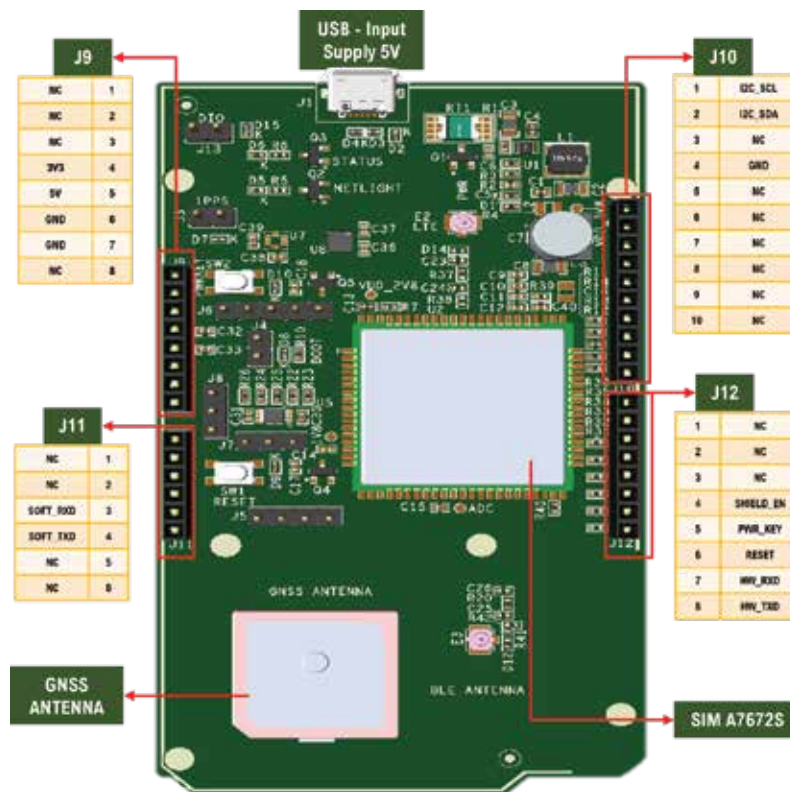
Four-layer impedance-controlled PCB.

GSM, GPS and BLE Antenna matching circuits to achieve proper antenna impedance matching.

Operating voltage of  $5V \pm 5\%$  and can be powered by USB.

Operating temperature:  $-30^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ .

## Pin Out Diagram



### Purchase Note

External GSM antenna available for purchase. For applications where external antenna is used, antenna impedance matching services with casing is available at additional charges. For details write to [estore-enquiry@parrytech.net](mailto:estore-enquiry@parrytech.net)

### Product Ordering Guide

**Part number : PTG4GARS-SC103V1**

### About Parry Technology

Engineering/System integration services:

Our engineering services ranges from early engagement with customers to understand the system needs, convert the needs into requirements, finalize on the right technology implementation, circuit design, simulations, PCB development & testing, characterization, final qualifications, documentations at all stages and assistance on the product manufacturing and deployment.

Total Solutions:

Products, platforms, and cloud solutions for end-to-end IoT deployments.

Estore:

Ready to use subsystem modules/products for you to quickly test, develop Internet of Things (IoT) applications.

### Benefits

- + Four-layer PCB for good RF performance, long range, lower power
- + Printed PCB antenna for BLE and optional connector for external antenna. On board GPS Patch antenna
- + Optional sensors for 6-axis sensing (Accelerometer + Gyro meter), barometer, and Secure element IC for secured connectivity not populated
- + Impedance matching enables choice of external antennas for BLE and LTE