EGIGATEK eGM-A02 Brief

（*CSR BC4 Ext. based Bluetooth 2.0/2.1+EDR class 1 Module*）

1. Description

eGM-A02 full qualified Bluetooth V2.0/2.1+EDR system, is a fully integrated Bluetooth Class 1 module using CSR BlueCore4-External solution which include Radio Frequency, Base-band DSP, Link Manager and Host Control Interface. eGM-A02 owns sufficient pin definitions, high receiving sensitivity and low power consumption.
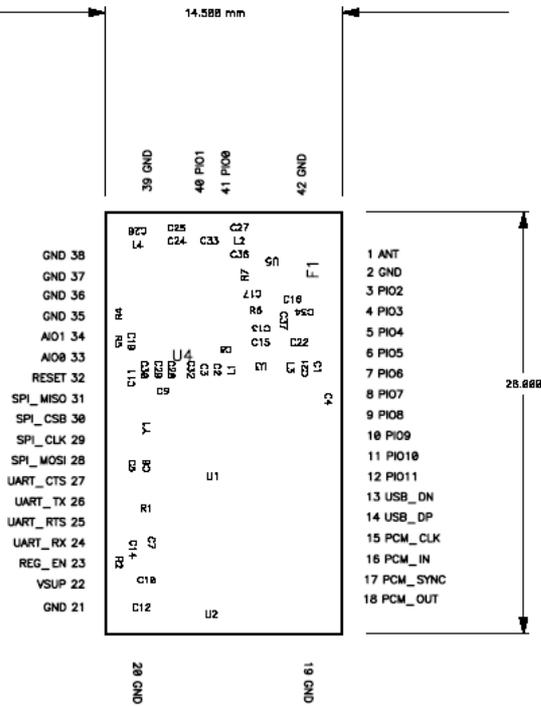
2. Features

- Comply with Bluetooth Specification V2.1+EDR, or Bluetooth specification V2.1 compliant.
- Enhanced Data Rate (EDR) compliant with V0.9 of specification for both 2Mbps and 3Mbps modulation modes
- Support up to 7 ACL connection and 3 SCO connection
- Support faster connection, Flush timeout, Synchronization, LMP improvements, AFH, Parameter ranges and LMP SCO Handle.
- 12 PIO/ 2 AIO pins definition is ideally suited for rapid embedded development any kind of products.
- 13 or 16 bit linear, 8bit µ-Law or A-Law PCM interface
- UART interface with programmable baud rate
- Compact size : 26.0*14.5*2.0mm)
- RF output power –6dBm -- +20 dBm (class 1).
- High receiving sensitivity (-88 dBm 0.1%BER).
- Output interface over USB/UART/PCM/SPI.
- Manufactured in conformance with RoHS

3. Applications

PCs, PDAs, Computer Accessories (Compact Flash Cards, PCMCIA Cards, SD Cards and USB Dongles), Access Points and Digital Cameras.

4. Pin Placement and Dimensions (in mm)

5. Layout Guide

unit: mm