

PiloT GSM Module

Features / Technical Specifications

- GSM (2G) Extension Module for the PiloT Mainboard
- Standard size SIM card slot
- Power consumption: 0,7mA sleep. 2A peak
- Quad-band 850/900/1800/1900MHz
- GPRS multi-slot class 12/10
- GPRS class B
- Compliant to GSM phase 2/2+
- Class 4 (2 W @ 850/900MHz)
- Class 1 (1 W @ 1800/1900MHz)
- Bluetooth: compliant with 3.0+EDR
- Control via AT commands (3GPP TS 27.007, 27.005 and SIMCOM enhanced AT Commands)
- Operation temperature: -40°C ~85°C
- Microcoaxial antenna jacket - Molex 0734120110
- Specifications for GPRS Data
 - GPRS class 12: max. 85.6 kbps (downlink/uplink)
 - PBCCH support
 - Coding schemes CS1 - CS4
 - PPP-stack
 - CSD up to 14.4 kbps
 - USSD
 - Non transparent mode
- Specifications for SMS via GSM/GPRS
 - Point to point MO and MT
 - SMS cell broadcast
 - Text and PDU mode
- Software features
 - 0710 MUX protocol
 - Embedded TCP/UDP protocol
 - FTP/HTTP



- MMS
 - E-MAIL
 - DTMF
 - Jamming Detection
 - TTS
- Size: 36.6mm x 29.8mm (1.441in x 1.173in)

Applications

- short messages
- GPRS data transmission

2G GSM module with audio connector (2GA001)



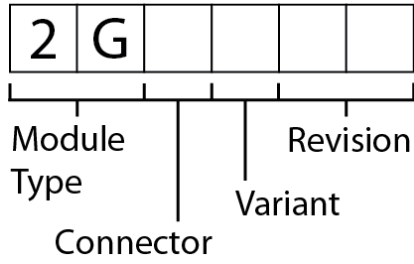
Tutorials

We have a list of tutorials for many different applications online, including remote-control through a web-interface and SMS notifications.

Please visit www.amescon.com/tutorials and get started!



Product Reference Guide (SKUs)



Connector

N	No Audio Connector
A	Audio Header Connector

Variant

0	Standard Variant
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Revision

01	First Revision (PCB rev 1)
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Available PCB Variants

Connector	Variant	Revision	Documentation
N	0	01	No Audio Connector
A	0	01	Audio Header Connector



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