



Size: 15mm x 27.8mm x 2.3mm

FEATURES:

- Built-in Antenna
- 16C550 UART interfaces
- USB 1.1 full speed interface
- 4 GPIOs
- PCM interface
- JTAG Debug interface
- Capability for embedded solutions
- Optional built-in 8Mbit flash
- Point to multipoint, 7 slaves
- Power management, PARK, SNIFF & HOLD
- Qualified for Bluetooth spec. 1.2 Compliance
- Small footprint: 15mm x 27.8mm x 2.3mm

BENEFITS :

- Standard low power digital CMOS process
- Embedded microcontroller and baseband to offload processor-intensive tasks from host CPU
- Complete solution with LMP and HCI provided in firmware (lower stack) , common SW profiles and Upper stack

M1G1-00001 BLUETOOTH BASEBAND MODULE

The M1G1-00001 Bluetooth Baseband from Systems and Chips, Inc. is PCB module with a Bluetooth v1.2 compliant baseband controller designed to be suitable for both host and embedded applications. The baseband controller is integrated with a Radio module and Flash memory to form complete Bluetooth systems.

Antenna is included on the PCB eliminating the need for additional RF engineering. Providing a solution for quick time to market. A wide range of external interfaces like USB, GPIO, PCM and a pair of UARTs, the M1G1-00001 is ideally suited for access applications in desktop and mobile computing environments, home base stations, and hot spot network access points.

APPLICATIONS

- PCs, laptops, PDAs
- Peripheral devices
- Consumer electronics
- Data access points
- Ad hoc networking
- Automotive and Industrial applications

BUILT-IN ANTENNA

A 2.4GHz chip antenna is used in the M1G1-00001 module making it an easy and straightforward design-in component in Bluetooth applications. A 50-Ohm matching has already been calibrated and integrated in the antenna portion of the module to reduce extra effort needed in designing an external antenna in any application.

LOW POWER CONSUMPTION

The M1G1-00001 module consumes less power than most Bluetooth Baseband Modules out in the market today. It runs on the standard low power digital CMOS process. Making it a great solution that targets cost-sensitive customer applications that require fast design-in, low power consumption and small designs.



M1G1-00001 BLOCK DIAGRAM

