



GSM5108 Operation Description

General Description

The Spider AT G GSM5108 is an asset locating device that has an embedded LPP0108 module which provides GPS and GMS/GPRS. The GSM5108 has the following: Battery Interface, Universal Serial Bus Interface, Battery Monitor, Switch, LED, GSM Antenna, GPS Antenna and SIM interface.

Battery Interface

The battery interface provides a connection for the battery to be attached. The connector is a three pin connector with power, ground and battery ID pins.

Universal Serial Bus Interface (USB)

A mini-USB connector and USB interface allows data communications and product configuration.

Battery Monitor

The battery monitor circuit allows software to monitor the voltage of the battery for enhanced power management.

Switch

The switch turns the GSM5108 ON and OFF. The switch pressed and held to turn the GSM5108 ON and OFF.

LED

The LED provides indication of ON/OFF Status. The LED flashes several times and then goes off when the GSM5108 is turned OFF. The LED illuminates solid and then goes off when the GSM5108 is turned ON.

GSM Antenna

The GSM antenna is a quad band PCB antenna that operates at 850, 900, 1800 and 1900 MHz. This interface provides the over-the-air communication for data transfer and device configuration.

GPS Antenna

The GPS antenna is a patch antenna. This interface provides the means to determine location of an asset.

SIM Interface

The SIM connector and interface allows for communication to a SIM card.