

GT863-PY Hardware User Guide 1vv0300737 Rev.1 20/09/06

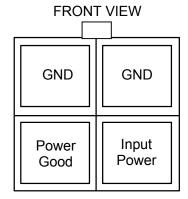
2 Power Supply

2.1 Power Connector

The power connector is available on the left side of the terminal.

Pin description:

- GND = Ground reference
- Input power = 9 24V === @ 1.2A min, low ripple (120 mV)
- Power Good = GPIO3 input (CMOS 2.8)



2.2 Power Supply Requirements

The GT863-PY is powered through a Molex 4 pin connector (part no.: 43045-0400) It must be plugged to the POWER connector.

- Input voltage range: 9 24V === (Nominal Voltage : 12V ===)
- Input current: 8mA in idle mode, 110mA in communication GSM 1800/1900 @ 12V ====
- The Supply must be provided by a short circuit protection
- The Supply Cable must be provided by a Fuse in series (2A).

2.2.1 Maximum Consumptions

Avg. consumption (9V === supply, active call in GSM pow lev 5, 1 TS): 160mA Avg. consumption (9V === supply, active call in GSM pow lev 5, 2 TS): 250mA Peak consumption (9V === supply, active call in GSM pow lev): 1280mA

2.3 Turning ON the GT863-PY

To turn on the GT863-PY is sufficient to plug the power supply to the "POWER" connector. The module will automatically switch on itself.



Reproduction forbidden without Telit Communications S.p.A. written authorization - All Right reserved

page 6 of 16