

Adcon A733GSM RTU, Differences to the Wavecom Wismo Quik Reference Design

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1 Overview

Following items have been scanned for differences to the Reference Design:

- Serial Link
- Keypad Interface
- SIM Connection
- Power Supply
- Audio
- RF

2 Details

2.1 Serial Link

The serial link I/O signals are connected to a UART and to the μ Controller without any active components except for the signal TXD. This signal is generated by a TinyLogic Gate, which is powered from the 2.8V VCC output from the module. All other Inputs to the module have series resistors according to the "Application Note for Integration". All serial link signals are kept internal, so no ESD protection is needed.

Rise and falling time is kept $< 200\text{ns}$.

The signal DSR is not used in the design and is left open.

2.2 Keypad Interface

The keypad interface is not used and left unconnected.

2.3 SIM Connection

No differences except for the connector. The Connector is a Amphenol C707 Series.

2.4 Power Supply

No differences except for the voltage. The regulators output voltage is set to 3.75V.

2.5 Audio

The audio signals are not used and are left unconnected.

2.6 RF

The antenna assembly is soldered directly to the RF pads of the module. The antenna itself is connected through an TNC connector on the top of the enclosure.