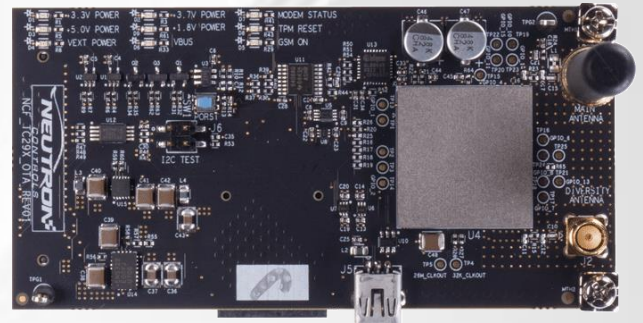




Designed by Engineers for Engineers

Over-The-Air Module

Interface Module 4G LTE Cat-1 in "Duo Comms" format for AURIX™

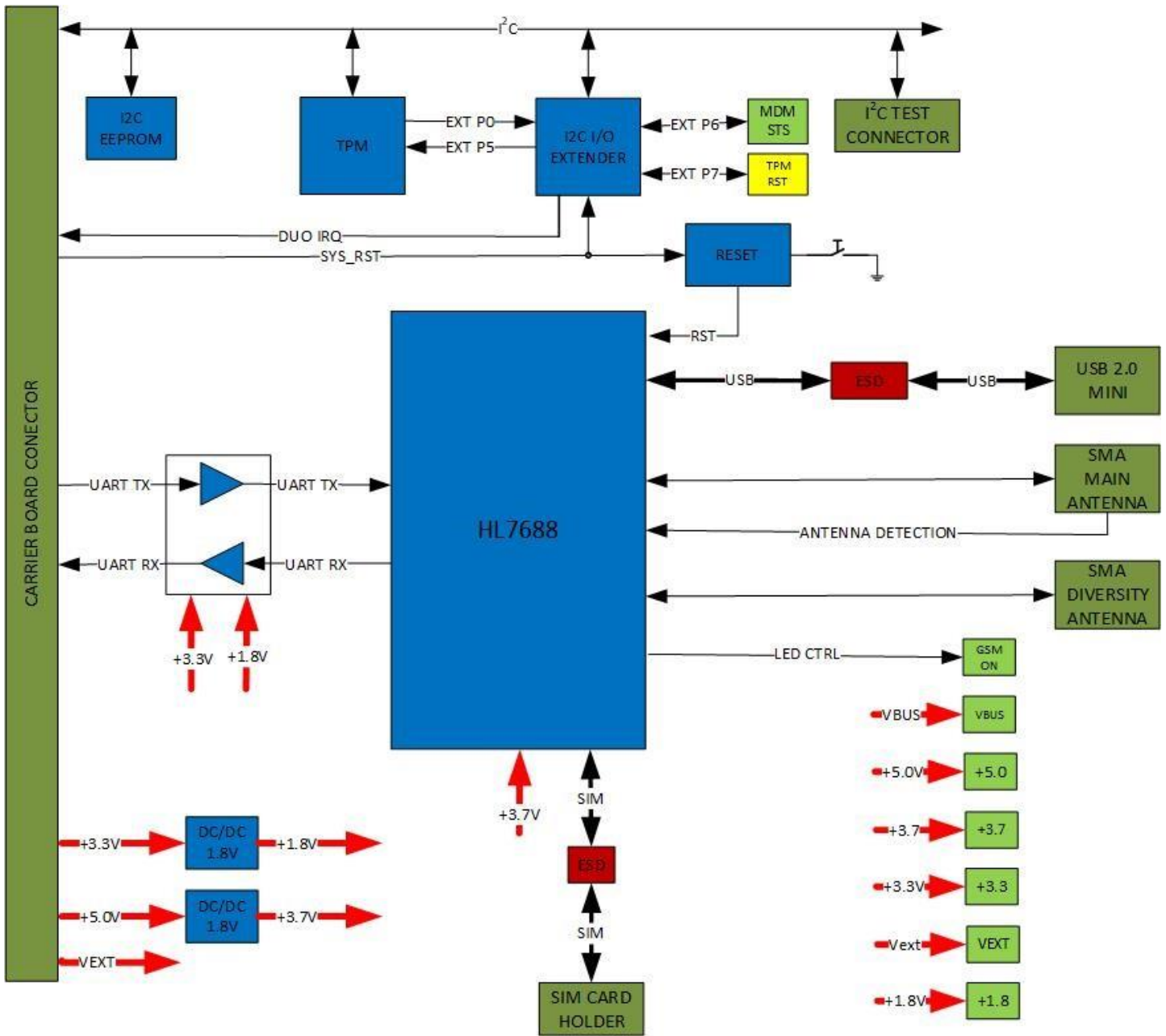


Overview

- Designed for use with our REDline™ Carrier board, this Module adds connectivity over 4G, 3G, and 2G networks, providing developers a platform for; secure file transfer, Over The Air (OTA) software upgrade, cloud services and remote troubleshooting.
- The module is based on the Sierra Wireless™ industrial grade HL7688 modem.
- The module includes Infineon's SLB6945 Trusted Platform Module (TPM), version 1.2, adding an extra level of security to the data link.
- The "Duo Comms" form factor allows using either one of two available sockets on the REDline™ Carrier board. EEPROM based module ID allows auto detection and resource assignment by Neutron Controls AURIX™ Explorer development applications.
- A complete hardware development support package is available including; schematics, BOM, layout, Gerbers and PCB stack-up.
- Base module software includes a CLI providing an easy to use communication interface with the modem using AT-commands.
- All software projects and sources are built using the TASKING VX-toolset for TriCore.

Features

- North America 4G LTE Cat-1, 3G, 2G network compatible.
- Supports AT&T (USA) and Rogers (Canada) carriers.
- Other regions available through ordering options.
- OTA connectivity for easy file transfer and software upgrade at up to 10Mbps.
- Standard SIM card holder.
- Industry standard SMA connectors for main and diversity antennas.
- High speed UART interface to the modem.
- Extra USB2.0 connectivity for direct HL7688 communication.
- TPM module with physical presence, interrupt, polling and reset connectivity.
- I2C interface to TPM, EEPROM and bus extender.
- LED indication for all power rails.
- "Modem Status" and "TPM reset" AURIX™-controlled LEDs.



Compatibility

- The Module is designed to work with AURIX™ Base Carrier Development Platform

Ordering Information

- Module Part Number: **RDL-ITFOTA-001**

