PRODUCT BRIEF

JANUS REMOTE COMMUNICATIONS

Terminus Plug-In Series
CDMA864CF Terminal Modem

Description

The Janus line of Terminus Plug-In modems are footprint compatible, GPS enabled, plug-in terminals for use in GSM/GPRS, EDGE, CDMA, HSPA+, EV-DO communication networks, and also Wi-Fi connectivity. They were specifically designed to provide customers with cost effective products that are easily integrated into new and existing designs, require limited customer certification resources, and are completely interchangeable to allow for maximum network flexibility while removing the worry of product obsolescence.

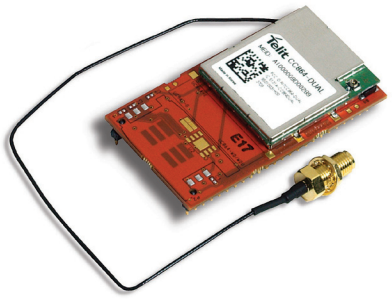
The Plug-In Terminus CDMA864CF is a dual band, CDMA-1xRTT wireless communication modem specifically designed for worldwide M2M network deployment.

Easily integrated into any new or existing hardware applications via its standard DIP pin configuration, the CDMA864CF is a cost-effective solution for CDMA M2M connectivity. Users can choose to mount the CDMA864CF directly onto their PC Board or simply mount in a DIP socket or header.

The CDMA864CF has a 5V power supply, 7 configurable GPIOs, 1 DAC and 1 ADC. USB or Serial UARTs can be used to communicate with the device. With all of these innovative and cost effective features, the CDMA864CF is an easy answer for your M2M communication needs.

CDMA864CF Features

- Dual-band CDMA 800 / 1900 MHz
- Air interface IS-95A/B and CDMA 2000
- 1xRTT data up to 153.6Kbps (full duplex)
- TCP/IP stack access via AT commands
- Over-the-Air firmware management
- Voice and SMS (MO / MT)
- Full voice support includes supplementary services
- Output power
  - 24.3 dBm (270mW)
- Sensitivity:
  - ≤ -108 dBm @ 800 MHz
  - ≤ -108 dBm @ 1900 MHz
- Dimensions: 2.5” x 1.4” x 0.415”
- Operational temperature range: -30°C to 80°C
- Internal LDO regulator
  - Input voltage range: 4.75 to 5.25Vdc (5.0 Vdc Nominal)
  - Supply disable via terminal input pin
- CDMA and GPS available via Murata GSC miniature RF connector
- GPS
  - Stand alone GPS available at AT command interface
  - GpsOne® (User and Control plane)
  - NMEA data
  - GPS fix on demand
  - Dedicated GPS antenna connection with active antenna support



Applications

Suitable for all M2M Applications

- Fleet Management
- Asset Tracking
- Security Systems
- Telemetry
- Telematics & Telecontrol
- Remote Monitoring Systems
- Remote Meter Reading
- Vending Machines

Terminus Models & Ordering

Ordering	Description
CDMA864CF v2.0	Terminus CDMA Plug-In Modem - Sprint Certified
CDMA864CF v3.0	Terminus CDMA Plug-In Modem - Verizon Certified
CDMA864CF v4.0	Terminus CDMA Plug-In Modem - Aeris Certified
Additional Plug-In Products	
GSM865CF v1.1	Terminus GSM Plug-In Modem - GPS enabled
GSM865CF v2.0	Terminus GSM Plug-In Modem - without GPS
HSPA910CF v1.0	Terminus HSPA+ Plug-In Modem - GPS Enabled
WiFi1500CF v1.0	Terminus Wi-Fi Plug-In Modem - GPS enabled
WiFi1500CF v2.0	Terminus WiFi Plug-In Modem - without GPS
EVDO910CF v3.0	Terminus EV-DO Plug-In Modem - Verizon

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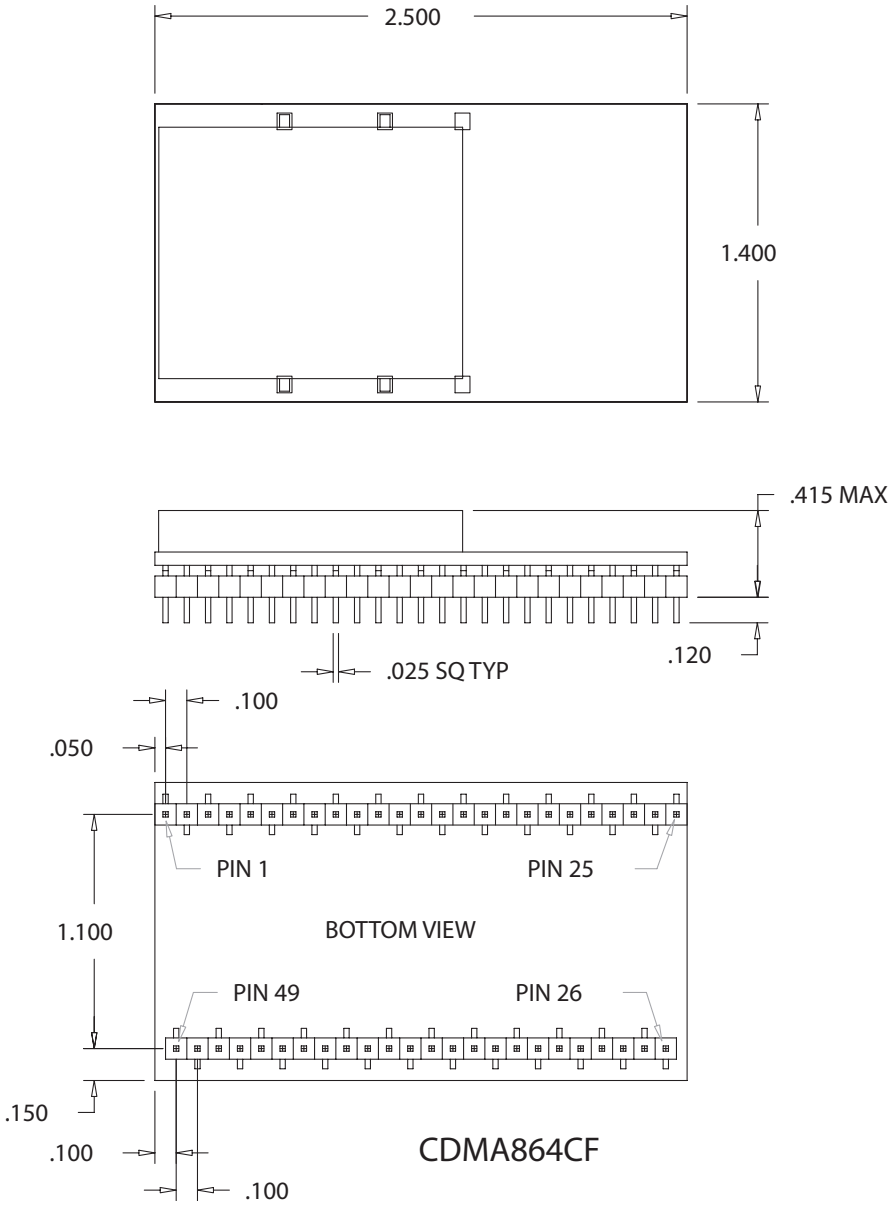
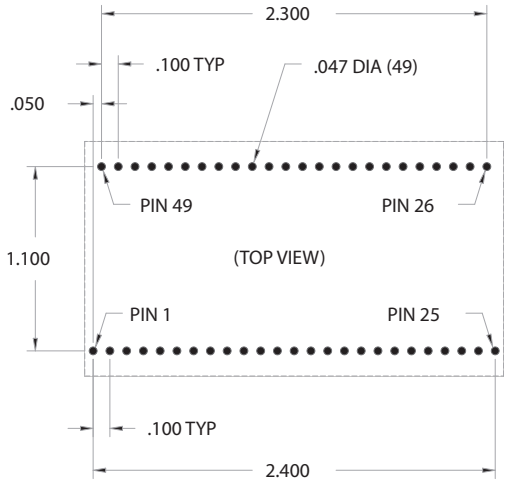
Bulletin	JA03-PB_CDMA
Revision	P05
Date	27 Aug 2012

Terminus Plug-In Series
CDMA864CF Terminal Modem



CDMA Mechanical Drawing



Terminus Plug-In

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