

DELTA DESIGN MODEM SOLUTIONS

SMD24XX SOCKET MODULE

(ver 070504)

PRODUCT DESCRIPTION

The SMD24XX MODEM MODULE is a complete modem module that meets global telephone line requirements. Available in a socket (64,5 mm x 26,5mm) size footprint, the device is ideal for embedded modem applications due to its small board space, low power consumption and global compliance. The device is available in 5 different versions, ranging from V.92 down to V.22bis. The module allows you to reduce time to market by using a ready to use approved solution.

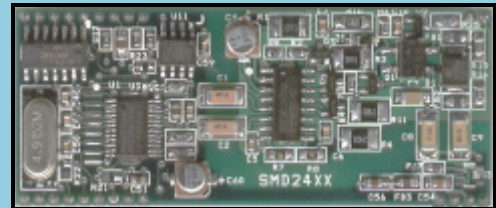
FEATURES

- Data modem formats
ITU- V.92,V.90,V.34,V.32bis, V.32, V.22bis, V.22, V.23, V.21,Bell 212A, 103
- V.23 Reversing
- Fast Connect V.21,V.22,Bell103, V.29
- Error Correction: ITU-V.42
- Data Compression: ITU-V.42bis
- Asynchronous Serial DTE interface
- Incoming call detection
- Caller ID detection and decode
- AT command set
- Call progress with programmable biquad filters
- Integrated DAA
Globally compliant line interface
Parallel handset (intrusion) detection
Overcurrent detection and protection
- 3V3 or 5V power supply (see feature table)
- Small Footprint
- Low power consumption
- Eeprom for custom defaults and firmware upgrade.(see feature table)
- Based on Silicon Laboratories isomodem solution
- SIA protocol (SMD2401 version)

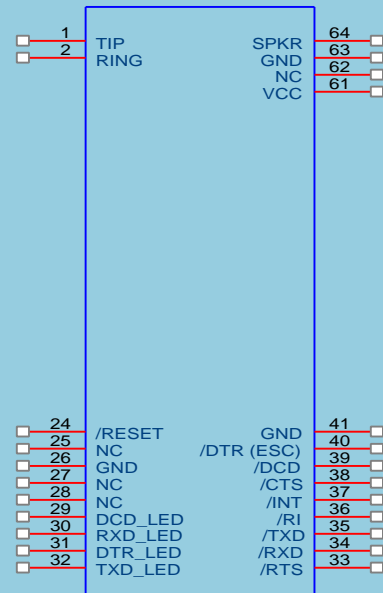
APPLICATIONS

- Security systems
- Point-of-sale verification systems
- Set top boxes
- Industrial /medical monitoring systems
- Power meters
- Remote monitoring
- Email Terminals
- ATM Terminals

Actual size : 64.5 x 26.5 mm
Pinning pitch 2 mm
SMD2457 model shown



PIN SIGNALS



PIN	FUNCTION
1	Telephone Line TIP
2	Telephone Line RING
24	Reset Active low input
25	NC
26	GND
27	NC
28	NC
29	DCD indicator , can drive LED anode (2mA)
30	RXD indicator , can drive LED anode (2mA)
31	DTR (ESC) indicator, can drive LED anode (2mA)
32	TXD indicator, can drive LED anode(2mA)
33	/RTS Request To Send
34	/RXD Receive Data
35	/TXD Transmit Data
36	/RI Ring Indicator
37	/INT Interrupt output
38	/CTS Clear To Send
39	/DCD Data Carrier Detect
40	/DTR (/ESC) Data Terminal Ready
41	GND
61	Vcc Power Supply (5V or 3V3)
62	NC
63	GND
64	AOUT analog output

SMD24XX modem family features

Feature	SMD2401	SMD2404	SMD2415	SMD2434	SMD2457	SMD2493
Speed(bps)	2400/2400	2400/2400	14400/14400	33600/33600	33600/56000	48000/56000
Global Compliance	X	X	X	X	X	X
V.42 MNP2-4		X	X	X	X	X
V.42bis MNP5			X	X	X	X
Fast Connect	X	X	X	X	X	X
Security Formats	X					
EEPROM		X	X	X	X	X
V.92						X

ORDERING INFORMATION

SMD2401-3V3	V.22bis modem 3V3 supply
SMD2401-5V	V.22bis modem 5V supply
SMD2404-3V3	V.22bis modem 3V3 supply
SMD2404-5V	V.22bis modem 5V supply
SMD2415-3V3	V.32bis modem 3V3 supply
SMD2415-5V	V.32bis modem 5V supply
SMD2434-3V3	V.34 modem 3V3 supply
SMD2434-5V	V.34 modem 5V supply
SMD2457-3V3	V.90 modem 3V3 supply
SMD2457-5V	V.90 modem 5V supply
SMD2493-3V3	V.92 modem 3V3 supply
SMD2493-5V	V.92 modem 5V supply



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