NetComm®
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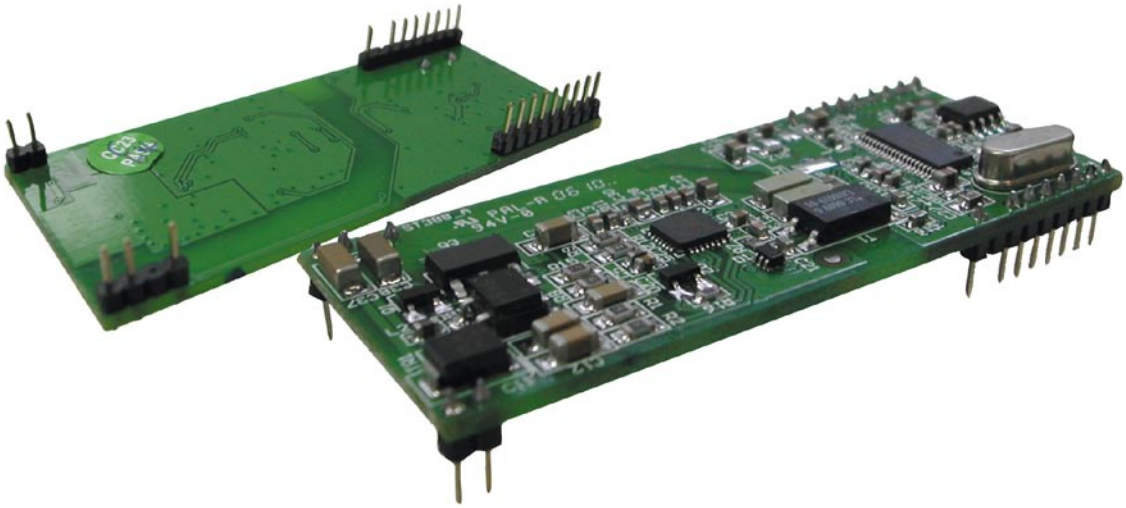
IG1100 Embedded Modem

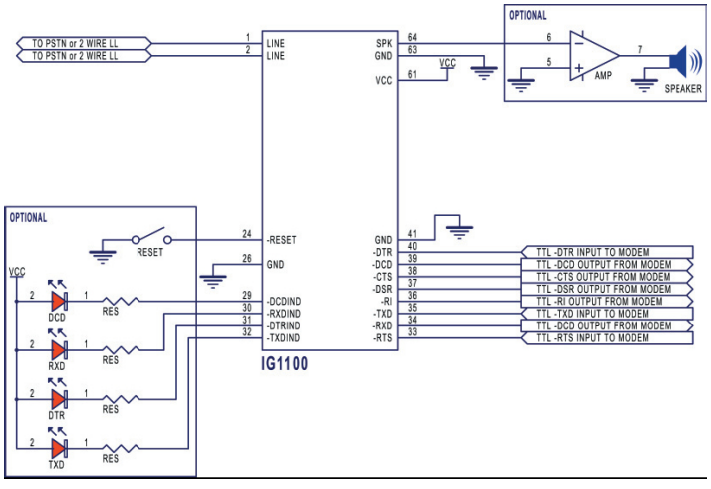
Industrial Embedded V.92 Modem Module



KEY FEATURES
Greatly reduced approval time and costs
Simply provide for the pinouts in your design
Logging Data real time vs onsite time
Low cost management and support
Low cost networking
End user accessibility and add-on service possibilities

Embedded V.92 Module

The IG1100 is the first uniquely Australian developed modem that offers designers a space efficient communications module suitable for any data transfer application. NetComm's IG1100 enables OEM's to integrate a variety of modem functions with the benefit of accessing real time data, low cost management/support, plus addon service possibilities. International EMC and safety standards have been tested and certified, bringing the integration cost down for approval ratings on the finished product. Structured to fit into a generic industry footprint, this Conexant chipset product brings with it all the capabilities of a full hardware modem. This product can be integrated into any device that requires data transfer via a PSTN connection, incorporating the latest V.92 technology to give your product the benefit of high upstream speeds (up to 48Kbps).



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TECHNICAL SPECIFICATIONS

MODULATIONS AND PROTOCOLS

- ITU-T V.92
- Modem-on-Hold (MOH)
- Quick connect (QC)
- PCM upstream
- V.90/V.34/V.32bis/V.32
- V.22bis/V.22/V.23/V.21
- V.23 reverse, V.23 half-duplex
- Bell 212A/Bell 103
- V.29 FastPOS
- V22bis fast connect

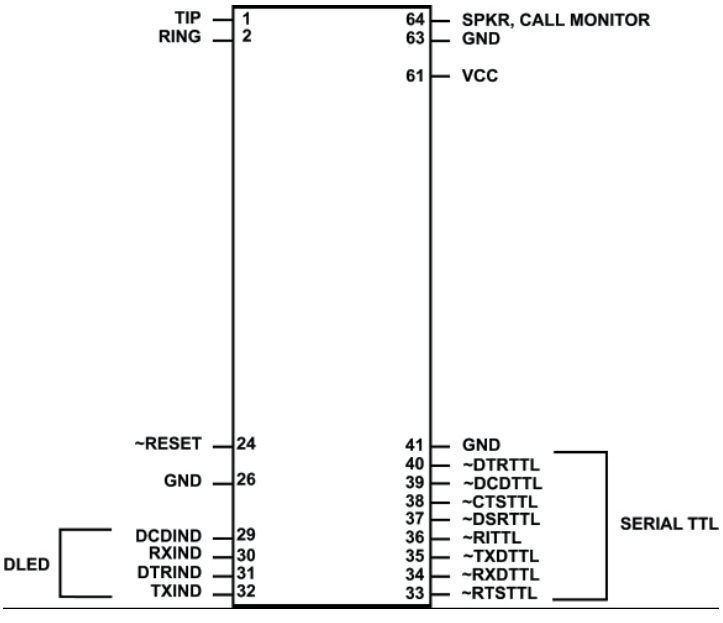
DATA COMPRESSION AND ERROR CORRECTION

- V.44 data compression for optimal downloading of Internet Web pages and files
- V.42bis and MNP 5 data compression
- V.42 LAPM and MNP 2-4 error correction
- V.80 synchronous access mode supports host-controlled communication protocols with H.324 interface support
- Hardware-based modem controller and digital signal processor (DSP)
- Worldwide operation
- Call progress, blacklisting
- Distinctive ring detect
- Type I and II Caller ID detection
- Call Waiting
- Extension pick-up detection
- Digital line protection
- Line reversal detection
- Line-in-use detection
- Remote hang-up detection
- Worldwide compliance
- Built-in host/DTE TTL (3.3V) interface with speeds up to 230.4 kbps
- Direct mode
- Flow control and speed buffering
- Automatic format/speed sensing
- +3.3V or optional +5V operation. (3.3V I/O only)
- Typical power consumption 130mA @3.3V (Operating on-line), 20mA (Sleep Mode)
- Size 65.6 X 26.6mm
- Also available in V.34 and V.32bis version
- Compliance - A-Tick, FCC, CE, UL listed

MODEM PIN SIGNALS

Pin	Function
1	Telephone Line Interface - TIP.
2	Telephone Line Interface - RING.
24	Reset, active low, 50 to 100 ms. Closure to GND for reset.
26	Ground.
29	DCD Indicator, can drive an LED anode without additional circuitry.
30	RXD Indicator; can drive an LED anode without additional circuitry.
31	DTR Indicator; can drive an LED anode without additional circuitry.
32	TXD Indicator; can drive an LED anode without additional circuitry.
33	RTS Interface, TTL levels, (3.3V).
34	RXD Interface, TTL levels, (3.3V).
35	TXD Interface, TTL levels, (3.3V).
36	Ring Indicator Interface, TTL levels, (3.3V).
37	DSR Interface, TTL levels, (3.3V).
38	CTS Interface, TTL levels, (3.3V).
39	DCD Interface, TTL levels, (3.3V).
40	DTR Interface, TTL levels, (3.3V).
41	Ground.
61	+3.3 VDC or +5 VDC Input.
63	Ground.
64	Speaker, Call Monitor.

* No pins in positions 3-23,25, 27, 28, 42-60, and 62.



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