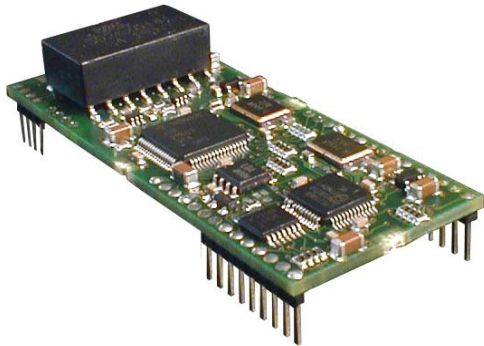


AL5068S

Embedded ISDN Socket Modem



Smart and low power ISDN socket modem for embedded and M2M applications. Pin compatible with Analog, LAN and GSM Socket Modems.

Benefits:

- Enables any device to send and receive data via ISDN.
- Complete, ready-to-integrate ISDN Modem.
- Fastest time-to-market to ISDN-enable existing devices.
- Meets EuroISDN DSS1.
- Low power 5V and 3.3V Versions available.
- Firmware updateable.
- Optional analog voice interface supported by external PCM Codecs.
- External IOM-2 Bus (AL5068SI-3V).
- Advice of Charge. Charging in national currency.
- Programmable EAZ / MSN (Multiple Subscriber Number).
- Channel bundling with ML-PPP supported. (optional)

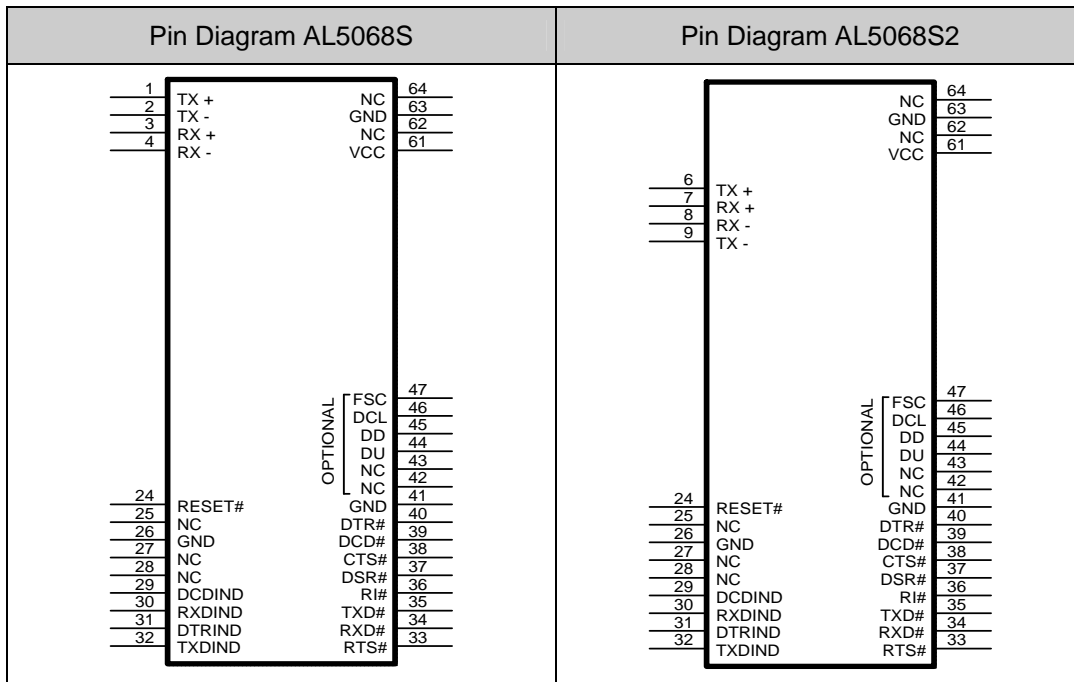
Functions:

- Standard AT-Command Set with Autobaud (Speed sensing).
- Asynchron Modes, 8 bit, no parity, 1 stop bit with speeds from 9600 to 115200 bps..
- Euro-ISDN D-Channel Signaling protocol (CTR3).
- V.110 rate adaption protocol with 4800, 9600 and 19200 bps.
- B-Channel protocols: X.75, V.120, X.31 and transparent.
- PPP protocol. (RFC 1662 async-sync conversion).
- X.25 / X.31 Case A & B protocols for D- and B-Channel supported.
- X.3 PAD integrated.

Specifications:

- Compact Size: 64.5x26.5x16.2 mm
- Typical Power use: 130mW.
- Single 5V or 3.3V Supply.
- Serial TTL interface (V.24) with 5V tolerant inputs.
- Meets specifications CTR3,/ CTR3/A1, and TBR3.
- Conforms to EN60950, EN 50081, EN55022, EN55024 and EN61000
- Conforms to the RoHS directive.
- 2 Year warranty.

Ordering: **AL5068S**
 AL5068S-3V



Operating conditions	Symbol	Limits	Units
Supply Voltage 5V Version	VDD	+ 4.75 to + 5.25	VDC
Supply Voltage 3V Version (-3V version)	VDD	+ 3.15 to + 3.45	VDC
Operating Ambient Temperature	T_A	0 to + 70	°C

Power requirements	Typical Current (mA)	Max. Current (mA)	Typical Power (mW)	Max. Power (mW)
Idle mode, normal data connection	18	20	90	100
Online mode, data transfer	25	27	125	135

Additional documentation	Doc Nr.
Designers Guide	AL5068S-E00-105
AT Command Manual	AL5068S-A00-105

Contact Information	
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