

RS-232 TO TTL_3V3 CONVERTER ATC-102 User's Manual



The ATC-102 adapter provides the designer a low cost solution to change serial comport signals into CMOS/TTL level signals for prototype or testing of low level microprocessor or microcontroller based systems. The RS-232C side mates directly with a PC's DB-9 serial port connector. This makes the adapter a great solution for connecting external CMOS/TTL equipment being prototyped up to your PC or portable Computer. The adapters are powered by the host computer system's signal lines. This eliminates the need for an additional external power supply making the adapter an ideal choice for portable use.

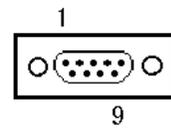
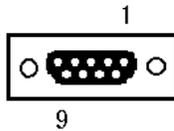
High baud rates require more current than the serial port power can provide, the CMOS/TTL DB-9 connector can accept +5 to +12v DC at 50 milliamps to provide the added power to the adapter.

Features

- RoHS Compliant - Lead Free parts and manufacturing
- Plugs into DB-9 PC serial comport
- Input CMOS/TTL protected (-7v to +12v)
- Latest Surface Mount Technology (SMT) for low power and small size.
- Powered from serial port for most installations.
- Baud rates to 115.2KBaud

Serial Port Pinouts

RS-232 (DB9F-male) TTL (DB9 Male)



DB-9 Serial Port Pinouts:

Pin	Signal	Dir	Function
1	DCD/RLSD	IN	Carrier Detect
2	TXD	OUT	Transmit Data
3	RXD	IN	Receive Data
4	DTR	OUT	Data Term Ready
5	GND		Ground
6	DSR	IN	Data Set Ready
7	RTS	OUT	Request to Send
8	CTS	IN	Clear to Send
9	RI	IN	Ring Indicator

TTL Pinout:

DB9 Male (PIN)	TTL
1,3	TXD
2	RXD
5	GND

RS-232、TTL Signal Level:

TTL/CMOS Input	RS-232 Output
Low (< 0.8V)	+5V minimum, +9V typical
High (> 2V)	-5V minimum, +9V typical
RS-232 Input	TTL/CMOS Output
Low (< 0.2V)	+2.4V minimum, +3.0V typical
High (> 2.4V)	+5.5V maximum, +0.1V typical

Warranty

Every ATC product is built and tested to meet high standards of quality and reliability. Our products are covered with a one year warranty.

Contact us

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