

Converts RS-232 to TTL/ CMOS IC232TTL



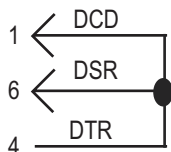
DB9F-RS-232 to DB9M-TTL/CMOS Interface Converter

The ic232TTL converts RS-232 to TTL/CMOS compatible level. Two channels are used to convert from RS-232 to 0/+5 VDC signals, and two channels are used to convert from 0/+5 VDC signals to RS-232. This converter supports TD, RD, RTS, and CTS. The RS-232 side is a DB9 female connector. The TTL/CMOS side is a DB9 male connector. This unit is powered from the RS-232 data and handshake lines whether the lines are high or low. This unit may work at baud rates up to 128 kbps and is powered by the signals on pins 7(RTS), 4(DTR), and 3(TD) of the RS-232 interface.

The handshaking lines may be in either a high or low condition, but must be present to power the converter. It is important that TTL/CMOS logic, and only TTL/CMOS logic (0 to +5 VDC) be used for the TTL/CMOS side of the converter. The maximum sinking current for one TTL/CMOS output is 3.2 mA. The maximum source current for one TTL/CMOS is 1 mA. Signal levels are inverted by the converter.

Pin Assignment

DB9F: RS-232		DB9M: TTL/ CMOS
Pin	Function	Pin
5	GND	5
3(Input)	TD	3(Output)
2(Output)	RD	2(Input)
7(Input)	RTS	7(Output)
8(Output)	CTS	8(Input)



Specifications

Electronic Specifications	
TTL/ CMOS Input	RS-232 Output
Low (<+0.8V)	+5V minimum, +9V typical
High (>+2V)	-5V minimum, -9V typical
TRS-232 Input	TTL/ CMOS Output
Low (<+0.8V) & (>-15V)	+3.5V minimum, +4.6V typical
High (>+2.8V) & <+15V)	+0.4V minimum, +0.1V typical

Dimensions(WxDxH)	31mm x 60mm x 15mm
Weight	20g

Ordering Info

ic232TTL	Async RS-232 (DB9 female) to TTL/CMOS (DB9 male), no power required
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