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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Model 232TTL

Four-Channel RS-232 to TTL Converter

Description

The 232TTL converts RS-232 to TTL levels. Two channels are used to convert from RS-232 to 0 to +5 VDC TTL signals and two channels are used to convert from 0 to +5 VDC TTL signals to RS-232. This converter supports RD, TD, RTS, and CTS. The DB25P male connector (DCE) is for the RS-232 side. The DB25S female connector is for the TTL side. The pins used are:

DB25P Male RS-232		DB25S Female TTL	
<u>Pin</u>	<u>Function</u>	<u>Pin</u>	
2 (input)	TD	9	(output)
3 (output)	RD	14	(input)
4 (input)	RTS	16	(output)
5 (output)	CTS	23	(input)

Pin 7 is signal ground for both connectors. The unit can work at baud rates up to 115K baud. On the RS-232 side, pins 8 (DCD), 20 (DTR), and 6 (DSR) are connected to open pads, if you would rather use these instead of the given RS-232 lines. Another feature is that the TTL and RS-232 pins can be changed by connecting wires from the pins you want to pads that have been provided. The unit needs a +12VDC power supply (100 mA approx.). A power supply is available from B&B Electronics.

It is important that TTL logic, and only TTL logic (0 to +5 VDC) is used for the TTL side of the converter. The maximum sinking current for one TTL output is 3.2 mA. The maximum source current for one TTL is 1 mA. Signal levels are inverted by the converter. Please refer to table below.

Polarity

TTL Input	RS-232 Output	Units
low	positive	volts
high	negative	volts
TTL Output	RS-232 Input	Units
low	positive	volts
high	negative	volts

DECLARATION OF CONFORMITY

Manufacturer's Name: B&B Electronics Manufacturing Company
 Manufacturer's Address: P.O. Box 1040
 707 Dayton Road
 Ottawa, IL 61350 USA
 Model Numbers: 232TTL
 Description: Four Channel RS-232 to TTL Converter
 Type: Light industrial equipment
 Application of Council Directive: 89/336/EEC
 Standards: EN 55022
 EN 61000-6-1
 EN 61000 (-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11)

Robert M. Paratore, Director of Engineering



