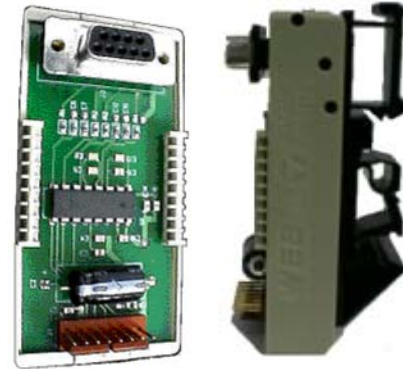


LINE INTERFACE (TTL TO RS-232)

Type: IFC-W1R-TTL-RS232-01-000



Description:

The IFC-W1R-TTL-RS232-01 is an interface, which converts communication signals between the TTL and RS-232 signal levels. This interface is ideal for providing RS-232 communication capabilities for microcontroller circuits, which currently do not have RS-232 level interface. The TTL To RS-232 Interface derives its power from the microcontroller board. Connections include: Transmit Data (TXD); Receive Data (RXD); Request to Send (RTS); and Clear to Send (CTS).

Technical Specifications:

RS-232 Side:

Output Swing	$\pm 8V$ typical
Input Voltage Range	$\pm 30V$ maximum
Output Short Circuit Current	± 22 mA

TTL Side:

Input Logic Low	0.8V max.
Input Logic High	2.0V min.
Output Logic Low	0.4V max.
Output Logic High	3.5V min.
Output Short Circuit Current	10 mA Sourcing V out = GDN 15 mA Sinking V out = VCC

Power Supply:

Operating Supply Voltage Resistance	4.5V min., 5.5V max.
VCC Supply Current	4 mA typical no load, 10 mA max. no load 15 mA typical 30 kOhm load on both outputs

Data Rate: 200 KBits/Sec



Pinout:

TTL:	1 - GND 2 - +5V 3 - TXD To RS-232 4 - RTS To RS-232 5 - RXD From RS-232 6 - CTS From RS-232 7 - +5V 8 - GND
RS-232:	2 - TX From TTL 3 - RX To TTL 4 - Connected to Pin 6 5 - GND 6 - Connected to Pin 4 7 - CTS To TTL 8 - RTS From TTL

Connectors: TTL: 8-Pin Molex with 3 Feet Wires, Pre-Tinned on Ends
RS-232: DB-9 Female

Packaging: Rail mount

Dimensions: 80 x 30.8 x 40 mm (L x W x H including rail mount)

Ordering Part Number: IFC-W1R-TTL-RS232-01-000 (rail mount, no cable)
Other variations are available without packaging, a choice of cable termination and varying cable lengths.

Specifications are subject to change without any notice.

Form: TD0204AX-7/8/98