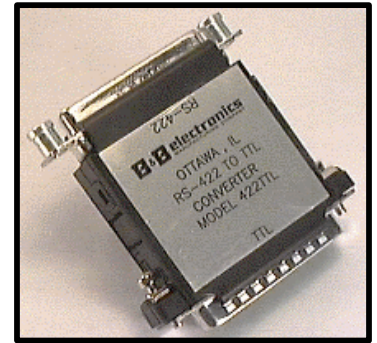## Four-Channel RS-422 to TTL Converter
Model 422TTL
Document No. 422TTL2495

The 422TTL unit converts RS-422 signals to TTL signals. Two channels are used to convert from RS-422 to 0-+5 VDC TTL signals and two channels are used to convert from 0-+5 VDC TTL signals to RS-422. A male DB25P connector is provided for the TTL side and a DB25S female connector for the RS-422 side. This converter supports RD, TD, RTS, and CTS.

The pins used are:

DB25P Male			DB25S Female	
TTL			**RS-422**	
Pin		Function	Pin	
TD 9	(input)............	TD(A)........................	2	(output)
		TD (B).....................	14	(output)
RD 14	(output)..	RD (A).....................	3	(input)
		RD (B).....................	16	(input)
RTS 16	(input)....	RTS (A)...................	4	(output)
		RTS (B)..................	19	(output)
CTS 23	(output)..	CTS (A)..................	5	(input)
		CTS (B)..................	13	(input)

Pin 7 is signal ground for both connectors of the unit. The unit can work at baud rates up to 115K baud. Open pads are provided for each line. Therefore, if you choose to, you can change the pin connectors for any of the 4 TTL channels. Also, there are pads provided that allow you to change the pin connectors on the RS-422 side. A +12VDC (100 mA) power supply is needed for the unit. B&B Model 422PS can be used for this. The TTL outputs can sink up to 50 mA. Signal levels are inverted by the converter. Please refer to the table below.
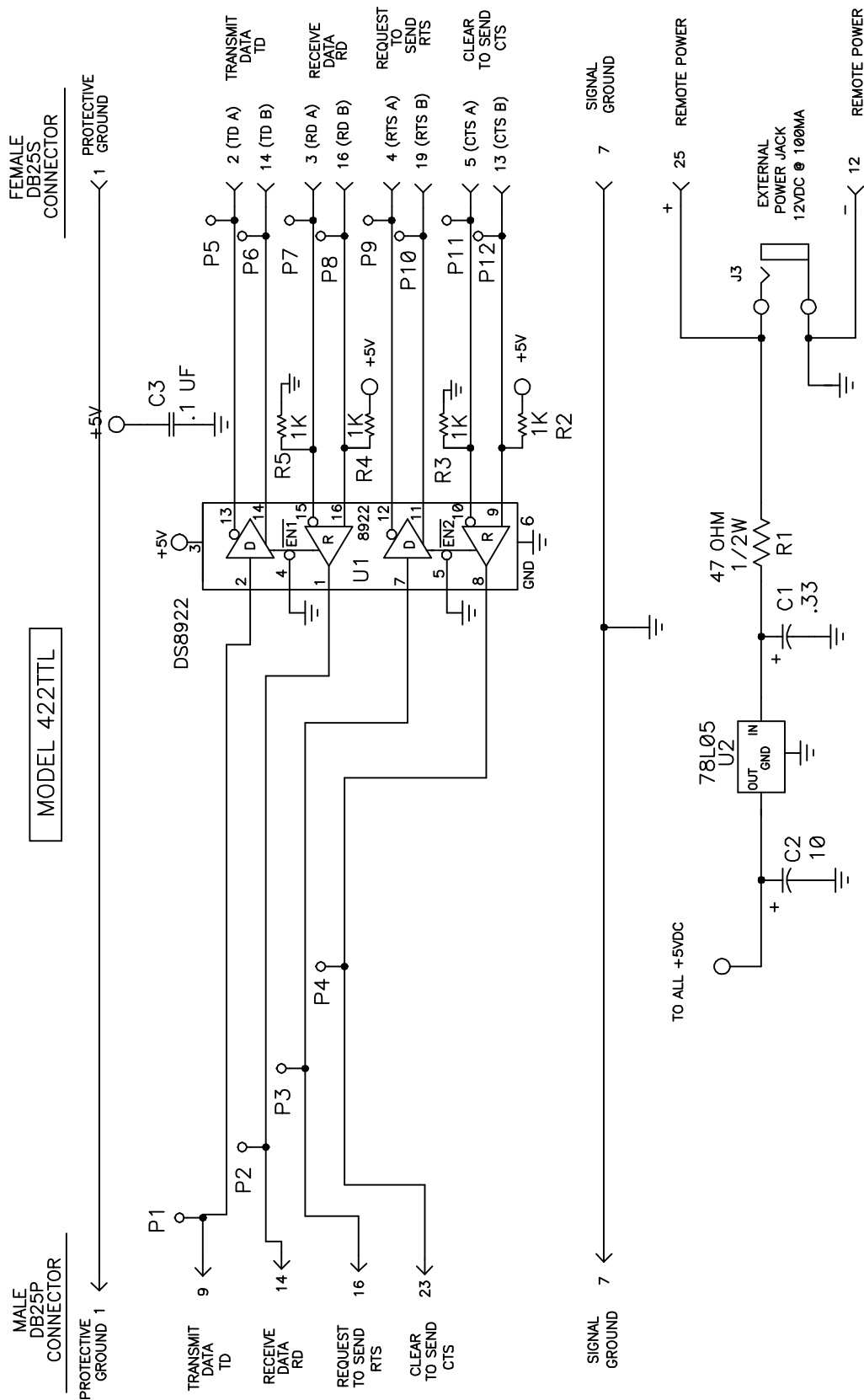
POLARITY

	RS-422 Output	
TTL Input	**V (A) - V (B)**	**Units**
high	negative	volts
low	positive	volts
	RS-422 Input	
TTL Output	**V (A) - V (B)**	**Units**
high	negative	volts
low	positive	volts

MODEL 422TTL