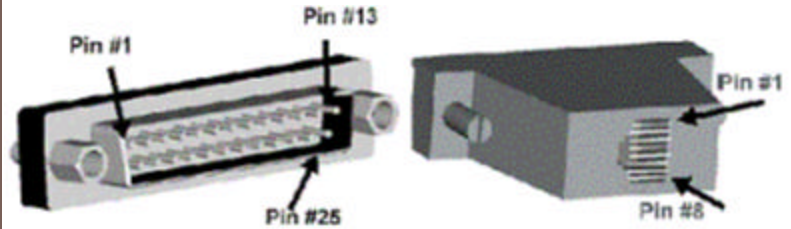# Modtap - RJ-45f (Etherlite) to DB-25m DCE

The wiring diagram for an RJ-45 8-pin to DB-25 DCE modtap is shown in Table 1. This adapter is used to connect a terminal/printer to an Etherlite port, and is available from Digi by ordering part number 76000451.

Table 1: EIA-232 RJ-45 8-pin to DB-25 DCE modtap

From RJ-45	Signal	Direction	Signal	To DB-25	
1	RTS	→	CTS	5	
2	nc	X	DSR	6	
3	DCD	←	DTR	20	
4	RxD	←	TxD	2	
5	TxD	→	RxD	3	
6	SG	↔	SG	7	
7	DTR	→	DCD	8	
8	CTS	←	RTS	4	

* Arrows indicate which direction the signal is flowing

NOTES:

- This cable utilizes the RTS/CTS signals of the terminal/printer for hardware flow control.
- Since null-modem swapping is done within the modtap, a straight-through RJ45 cable is used between Etherlite and modtap adapter.
- EIA-232 cables cannot exceed 2500pF.