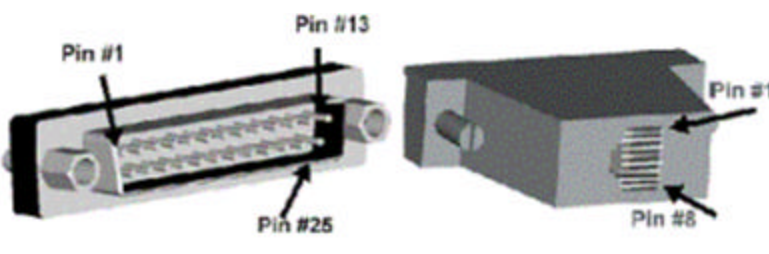# Modtap - RJ-45f (Etherlite) to DB-9f DCE

The wiring diagram for an RJ-45 8-pin to DB-9 DCE modtap is shown in Table 1. This adapter is used to connect a console/com port to an Etherlite port, and is available from Digi by ordering part number 76000461.

Table 1: EIA-232 RJ-45 8-pin to DB-9 DCE modtap

From RJ-45	Signal	Direction	Signal	To DB-9	
1	RTS	➔	CTS	8	
2	nc	X	DSR	6	
3	DCD	←	DTR	4	
4	RxD	←	TxD	3	
5	TxD	➔	RxD	2	
6	SG	«	SG	5	
7	DTR	➔	DCD	1	
8	CTS	←	RTS	7	

* Arrows indicate which direction the signal is flowing

NOTES:

- This cable utilizes the RTS/CTS signals of the console/com port 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.