

Appendix A Serial Cable Pin Outs, Memory Map, I/O Ports, & IRQ Usage

The Null Modem Serial Cable is to be configured as follows for hardware flow control only:

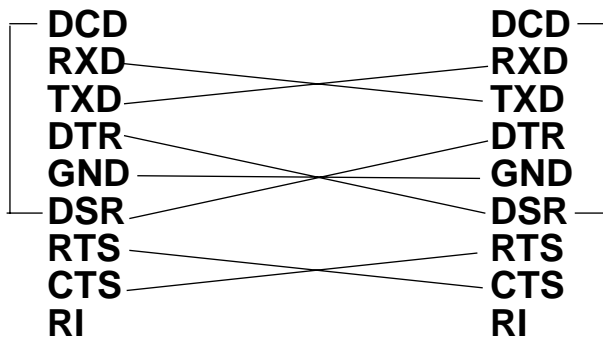


Figure A-1. Null Modem Cable Configuration: Hardware Flow Control

The Null Modem Serial cable is to be configured as follows for general communication purposes: (Travelling Software’s LapLink™ cable may be used)

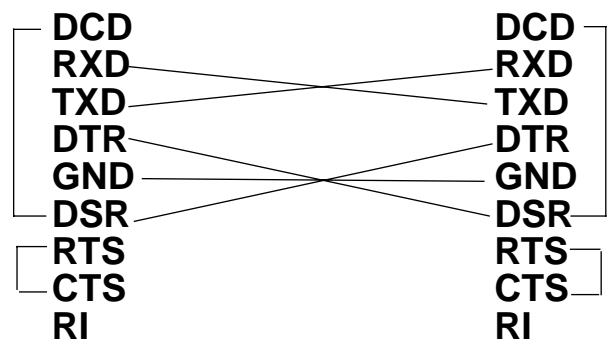


Figure A-2. Null Modem Cable Configuration: General Communication

Table A-1. PPT 41xx Memory Map

4000000	PCMCIA Memory Card Access (24M)
2000000	
1FFFFFF	Not Used (15M)
1100000	
10FFFFFF	Flash (1M)
1000000	
FFFFFF	Not Used (12M)
400000	
3FFFFFF	RAM accessible through EMS
100000	
FFFFF	Shadow BIOS (64K)
	or
F0000	BIOS (64K)
FFFFFF	Not Used (32K)
E8000	
E7FFF	SNAC ASIC (32K)
E0000	

Table A-1. PPT 41xx Memory Map (Continued)

DFFFF	EMS V4.00 (64K)
D0000	
CFFFF	PCMCIA
C0000	(in 4K increments)
BFFFF	Not Used
BC000	
BBFFF	CGA Video RAM (16K)
B8000	
B7FFF	Not Used (32K)
B0000	
AFFFF	Not Used (64K)
A0000	
9FFFF	Transient portion of DOS
	Transient Program Area
00600	Resident portion of DOS
005FF	BIOS Data Area
00400	
003FF	Interrupt Vectors
00000	

Table A-2. PPT 41xx I/O Ports

Addr	Description	XT Comp
400-FFF	Not Used	Y
3F8-3FF	UART1 Com 1	Y
3E0-3F7	Not Used	Y
3B0-3DF	CGA Controller	Y
300-3AF	Not Used	Y
2F8-2FF	UART Com 2	Y

Table A-2. PPT 41xx I/O Ports (Continued)

Addr	Description	XT Comp
20B-2F7	Not Used	Y
208-20A	EMS Registers	N
1B1-207	Not Used	Y
100-1B0	Gate Array	N
0A1-0FF	Not Used	Y
0A0	NMI Mask	Y
081-09F	DMA Page Registers	Y
080	MFG Test Port	Y
072-07F	Keyboard Interface	Y
070-071	CMOS RTC	N
060-06F	Keyboard Interface	Y
040-05F	Timer	Y
020-03F	PIC (8259)	Y
000-01F	DMA Controller	Y

Table A-3. PPT 41xx IRQ Usage

IRQ	Description	XT Comp
0	Timer Channel 0	Y
1	Keyboard	Y
2	Available (S24)	Y
3	Com 2	Y
4	Com 1	Y
5	Touch Panel	N
6	Available	Y
7	Scanner, Timer, etc. (Gate Array)	N

Table A-3. PPT 41xx IRQ Usage (Continued)

IRQ	Description	XT Comp
NMI	Parity Error	Y