D

Appendix D Pin Assignment and Cable Wiring

100BaseTX Port Pin Assignment and Cable Wiring

100BaseTX Port Pin Assignment

Pin	Signals
1	Tx+
2	Tx-
3	Rx+
6	Rx-

Connecting to a Hub - Straight Through Cable Wiring

CN2500 100BaseTX		HUB
1 Tx+	--------------	1
2 Tx-	--------------	2
3 Rx+	--------------	3
6 Rx-	--------------	6

Connecting to a PC - Crossed Over Cable Wiring

CN2500 100BaseTX		PC LAN Card
1 Tx+	--------------	3
2 Tx-	--------------	6
3 Rx+	--------------	1
6 Rx-	--------------	2

Console Port Pin Assignment
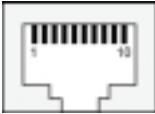
RJ45 Female Connector

Pin	Signals
1	-
2	DSR
3	RTS
4	GND
5	TxD
6	RxD
7	GND
8	CTS
9	DTR
10	-

Async RS-232 Port Pin Assignment
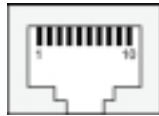
RJ45 Female Connector

Pin	Signals
1	DCD
2	DSR
3	RTS
4	GND
5	TxD
6	RxD
7	GND
8	CTS
9	DTR
10	-

✎ *Note: You may use either pin 4 or pin 7 or both pins for grouding.*

CN20030- RJ45 to Female DB25 RS-232 Cable Wiring
Connecting to a DTE device.

CN20030

Async RJ45

RJ45 Plug Pin 1

PC COM2 port, Serial Printer, Terminal, or any DTE Device

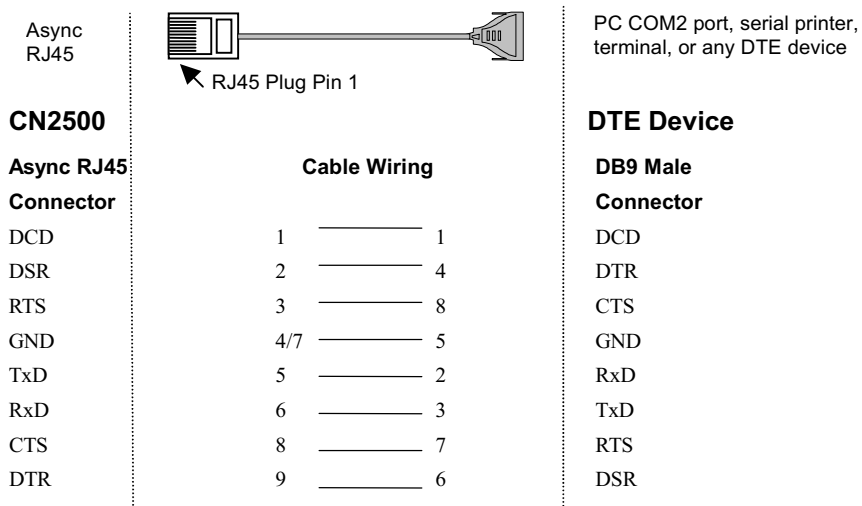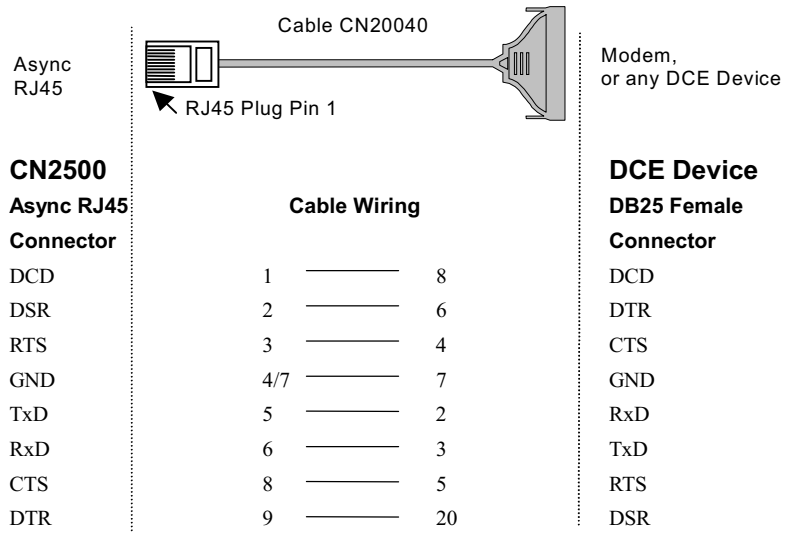| **CN2500**				**DTE Device**
Async RJ45		**Cable Wiring**		**DB25 Male**
Connector				**Connector**
DCD	1	————	8	DCD
DSR	2	————	20	DTR
RTS	3	————	5	CTS
GND	4/7	————	7	GND
TxD	5	————	3	RxD
RxD	6	————	2	TxD
CTS	8	————	4	RTS
DTR	9	————	6	DSR

✎ *Note: 4/7 means either line 4 or line 7 can be used for GND.*

Async RJ45

RJ45 Plug Pin 1

PC COM2 port, serial printer, terminal, or any DTE device

CN2500				**DTE Device**
Async RJ45		**Cable Wiring**		**DB9 Male**
Connector				**Connector**
DCD	1	————	1	DCD
DSR	2	————	4	DTR
RTS	3	————	8	CTS
GND	4/7	————	5	GND
TxD	5	————	2	RxD
RxD	6	————	3	TxD
CTS	8	————	7	RTS
DTR	9	————	6	DSR

✎ *Note: 4/7 means either line 4 or line 7 can be used for GND.*

CN20040- RJ45 to Male DB25 RS-232 Cable Wiring

Cable Wiring and Connecting to a DCE device.

Cable CN20040

Async
RJ45

RJ45 Plug Pin 1

Modem,
or any DCE Device

CN2500			**DCE Device**
Async RJ45	**Cable Wiring**		**DB25 Female**
Connector			**Connector**
DCD	1 ————	8	DCD
DSR	2 ————	6	DTR
RTS	3 ————	4	CTS
GND	4/7 ————	7	GND
TxD	5 ————	2	RxD
RxD	6 ————	3	TxD
CTS	8 ————	5	RTS
DTR	9 ————	20	DSR

✎ *Note: **4/7** means either line 4 or line 7 can be used for GND.*