

5-in-1 EIA/TIA-232 Assembly and Pinouts

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Introduction

This document describes the EIA/TIA-232 cable assembly and pinouts (Data Terminal Equipment – DTE and Data Communications Equipment – DCE).

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

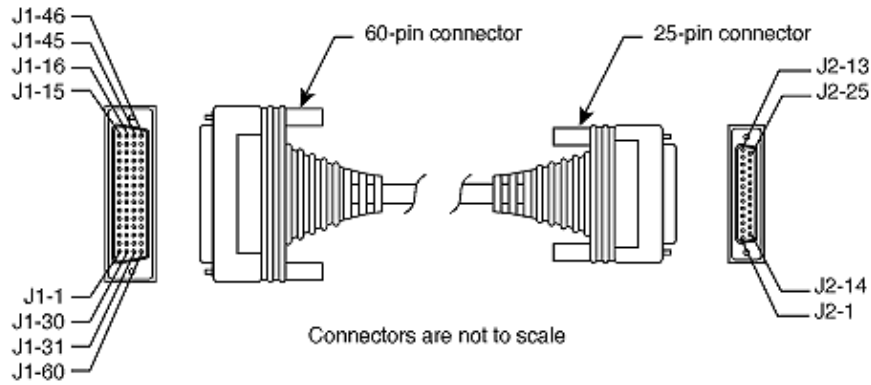
This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

EIA/TIA-232 Cable Assembly



EIA/TIA-232 DTE Cable Pinouts (DB-60 to DB-25)

Note: The arrows indicate signal direction: ---> indicates DTE to DCE, and <--- indicates DCE to DTE.

60 Pin*1*	Signal	Description	Direction	25 Pin	Signal
J1-50					
J1-51	MODE_0				
J1-52	GND	Shorting			
J1-46	Shield GND MODE_DCE	Group Single	---	J2-1	Shield GND
J1-41	TxD/RxD	Twisted	--->	J2-2	RxD
J1-36	---	pair no. 5	---	Shield	---
Shield	RxD/TxD	Twisted	<---	J2-3	RxD
J1-42	---	pair no. 9	---	Shield	---
Shield	RTS/CTS	Twisted	--->	J2-4	RTS
J1-35	---	pair no. 4	---	Shield	---
Shield	CTS/RTS	Twisted	<---	J2-5	CTS
J1-34	---	pair no. 10	---	Shield	---
Shield	DSR/DTR	Twisted	<---	J2-6	DSR
J1-45	---	pair no. 11	---	Shield	---
Shield	Circuit GND	Twisted pair no. 1	---	J2-7	Circuit GND
J1-33					
Shield	DCD/LL	Twisted	<---	J2-8	DCD
J1-37	TxC/NIL	pair no. 12 Twisted	<---	Shield	TxC

Shield	---	pair no. 8	---	Shield	---
J1-38					
Shield	TxC/TxCE	Twisted	<---	J2-17	RxC
J1-44	---	pair no. 7	---	Shield	---
Shield	LL/DCD	Twisted	--->	J2-18	LTST
J1-43	---	pair no. 2	---	Shield	---
Shield	DTR/DSR	Twisted	--->	J2-20	DTR
J1-39	---	pair no. 3	---	Shield	---
Shield	TxCE/TxC	Twisted	--->	J2-24	TxCE
1 Any pin not referenced is not connected. pair no. 6 Shield ---					

EIA/TIA-232 DCE Cable Pinouts (DB-60 to DB-25)

Note: The arrows indicate signal direction: ---> indicates DTE to DCE, and <--- indicates DCE to DTE.

60 Pin*1*	Signal	Description	Direction	25 Pin	Signal
J1-50					
J1-51	MODE_0	Shorting			
J1-46	Shield GND	Group Single	---	J2-1	Shield GND
J1-36					
Shield	RxD/TxD	Twisted pair	<---	J2-2	TxD
J1-41	---	no. 9	---	Shield	---
Shield	TxD/RxD	Twisted pair	--->	J2-3	RxD
J1-35	---	no. 5	---	Shield	---
Shield	CTS/RTS	Twisted pair	<---	J2-4	RTS
J1-42	---	no. 10	---	Shield	---
Shield	RTS/CTS	Twisted pair	--->	J2-5	CTS
J1-43	---	no. 4	---	Shield	---
Shield	DTR/DSR	Twisted pair	--->	J2-6	DSR
J1-45	---	no. 3	---	Shield	---
Shield	Circuit GND	Twisted pair no. 1	---	J2-7 Shield	Circuit GND
J1-44	LL/DCD		--->	J2-8	DCD

Shield	---	Twisted pair no. 2	---	Shield	---
J1-39 Shield	TxCE/TxC	Twisted pair	-->	J2-15	TxC
J1-40 Shield	NIL/RxC	Twisted pair	-->	J2-17	RxC
J1-33 Shield	DCD/LL	Twisted pair	<---	J2-18	LTST
J1-34 Shield	DSR/DTR	Twisted pair	<---	J2-20	DTR
J1-38 Shield	RxC/TxCE	Twisted pair	<---	J2-24	TxCE
1 Any pin not referenced is not connected. Shield ---					

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NetPro Discussion Forums – Featured Conversations for Router and IOS Architecture
Network Infrastructure: LAN Routing and Switching
Network Infrastructure: WAN Routing and Switching

Related Information

- [Connecting Serial Network Modules](#)
- [Technical Support & Documentation – Cisco Systems](#)

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