

# 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

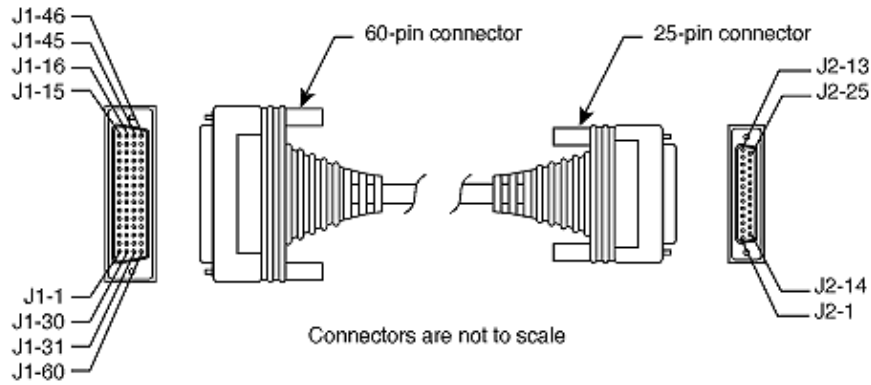
This document is not restricted to specific software and hardware versions.

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					
Shield	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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