

# 5-in-1 EIA/TIA-449 Assembly and Pinouts

Document ID: 10343

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### Related Information

## Introduction

This document displays the 5-in-1 EIA/TIA-449 cable assembly and describes its cable pin connections.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

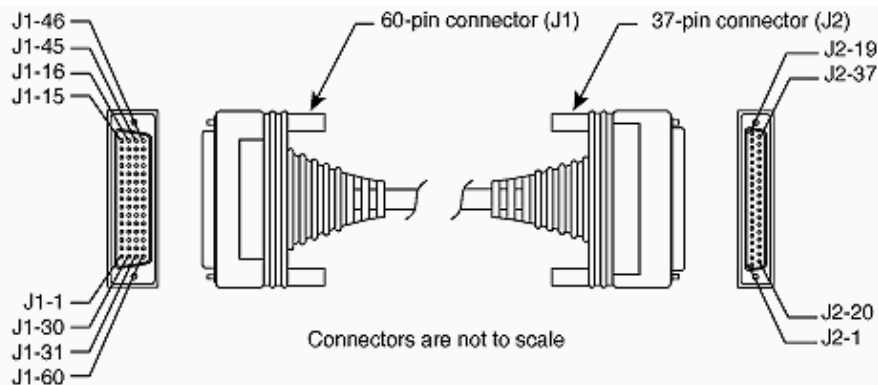
This document is not restricted to specific software and hardware versions.

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

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

## EIA/TIA-449 Cable Assembly



## EIA/TIA-449 DTE Cable Pinouts (DB-60 to DB-37)

60 Pin <sup>1</sup>	Signal	Description	Direction	37 Pin	Signal
J1-49 J1-48	MODE_1				
J1-51 J1-52	GND	Shorting			
J1-46	MODE_DCE Shield_GND	Group Single	---	J2-1	Shield GND
J1-11 J1-12	TxD/RxD+	Twisted pair no. 6	→→	J2-4	SD+
J1-24 J1-23	TxD/RxD-- TxC/RxC+	Twisted pair no. 9	←←	J2-22	SD--
J1-28 J1-27	TxC/RxC-- RxD/TxD+	Twisted pair no. 11	←←	J2-23	ST--
J1-9 J1-10	RxD/TxD-- RTS/CTS+	Twisted pair no. 5	→→	J2-6	RD+
J-26 J1-25	RTS/CTS-- RxC/TxCE+	Twisted pair no. 10	←←	J2-24	RS--
J1-1 J1-2	RxC/TxCE-- CTS/RTS+	Twisted pair no. 1	←←	J2-7	RT-
J1-44 J1-45	CTS/RTS-- LL/DCD	Twisted pair no. 12	→→	J2-9	CS+
J1-3 J1-4	Circuit_GND DSR/DTR+	Twisted pair no. 2	←←	J2-27	CS--
J1-7 J1-8	DSR/DTR-- DTR/DSR+	Twisted pair no. 4	→→	J2-10	DM+
J1-5 J1-6	DTR/DSR-- DCD/DCD+	Twisted pair no. 3	←←	J2-37	DM--
J1-13 J1-14	DCD/DCD-- TxCE/TxC+	Twisted pair no. 7	→→	J2-11	TR+
J1-15 J1-16	TxCE/TxC-- Circuit_GND	Twisted pair no. 9	→→	J2-12	TR--
				J2-30	RR+
				J2-13	RR-
				J2-31	TT+
				J2-17	TT-
				J2-35	SG RC
				J2-19	
				J2-20	

<sup>1</sup> Any pin not referenced is not connected.

## EIA/TIA-449 DCE Cable Pinouts (DB-60 to DB-37)

60 Pin 1	Signal	Description	Direction	37 Pin	Signal
J1-49 J1-48	MODE_1	Shorting			
J1-46	GND Shield_GNC	Group Single	---	J2-1	Shield GND
J1-28 J1-27	RxD/TxD+	Twisted pair	←←← ←←←	J2-4	SD+
J1-13	RxD/TxD---	no. 11		J2-22	SD---
J1-14	TxCE/TxC+	Twisted pair	→→→ →→→	J2-5	ST+
J1-11	TxCE/TxC---	no. 7		J2-23	ST---
J1-12	TxD/RxD+	Twisted pair	→→→ →→→	J2-6	RD+
J1-1	TxD/RxD---	no. 6		J2-24	RD---
J1-2	CTS/RTS+	Twisted pair	←←← ←←←	J2-7	RS+
J1-24	CTS/RTS---	no. 1		J2-25	RS---
J1-23	TxC/RxC+	Twisted pair	→→→ →→→	J2-8	RT+
J1-9	TxC/RxC---	no. 9		J2-26	RT---
J1-10	RTS/CTS+	Twisted pair	→→→ →→→	J2-9	CS+
J1-29	RTS/CTS---	no. 5		J2-27	CS---
J1-30	NIL/LL	Twisted pair	→→→ →→→	J2-10	LL SC
J1-3	Circuit_GND	no. 12		J2-37	
J1-4	DTR/DSR+	Twisted pair	→→→ →→→	J2-11	DM+
J1-3	DTR/DSR---	no. 4		J2-29	DM---
J1-4	DSR/DTR+	Twisted pair	←←← ←←←	J2-12	TR+
J1-5	DSR/DTR---	no. 2		J2-30	TR---
J1-6	DCD/DCD+	Twisted pair	→→→ →→→	J2-13	RR+
J1-26	DCD/DCD---	no. 3		J2-31	RR---
J1-25	RxC/TxCE+	Twisted pair	←←← ←←←	J2-17	TT+
J1-15	RxC/TxCE---	no. 10		J2-35	TT-
J1-16	Circuit_GND	Twisted pair		J2-19	SG RC
	Circuit_GND	no. 8		J2-20	

<sup>1</sup> Any pin not referenced is not connected.

## Related Information

- [Technical Support – Cisco Systems](#)

