

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

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Introduction

Prerequisites

Requirements

Components Used

Conventions

EIA/TIA-449 Cable Assembly

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

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

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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

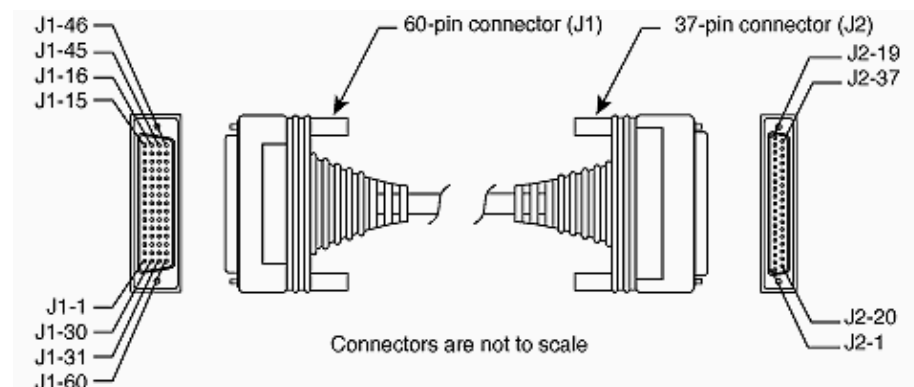
This document is not restricted to specific software and hardware versions.

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 ¹	Signal	Description	Direction	37 Pin	Signal
J1-49					
J1-48	MODE_1				
J1-51	GND				
J1-52	GND	Shorting			
J1-46	MODE_DCE Shield_GND	Group Single	--	J2-1	Shield GND
J1-11					
J1-12	TxD/RxD+	Twisted pair	==>	J2-4	SD+
J1-24	TxD/RxD--	no. 6	==>	J2-22	SD--
J1-23	TxC/RxC+	Twisted pair	<==	J2-5	ST+
J1-28	TxC/RxC--	no. 9	<==	J2-23	ST--
J1-27	RxD/TxD+	Twisted pair	<==	J2-6	RD+
J1-9	RxD/TxD--	no. 11	<==	J2-24	RD--
J1-10	RTS/CTS+	Twisted pair	==>	J2-7	RS+
J-26	RTS/CTS--	no. 5	==>	J2-25	RS--
J1-25	RxC/TxCE+	Twisted pair	<==	J2-8	RT+
J1-1	RxC/TxCE--	no. 10	<==	J2-26	RT-
J1-2	CTS/RTS+	Twisted pair	<==	J2-9	CS+
J1-44	CTS/RTS--	no. 1	<==	J2-27	CS--
J1-45	LL/DCD	Twisted pair	==>	J2-10	LL
J1-3	Circuit_GND	no. 12	--	J2-37	CS
J1-4	DSR/DTR+	Twisted pair	<==	J2-11	DM+
J1-7	DSR/DTR--	no. 2	<==	J2-29	DM--
J1-8	DTR/DSR+	Twisted pair	==>	J2-12	TR+
J1-5	DTR/DSR--	no. 4	==>	J2-30	TR--
J1-6	DCD/DCD+	Twisted pair	<==	J2-13	RR+
J1-13	DCD/DCD--	no. 3	<==	J2-31	RR-
J1-14	TxCE/TxC+	Twisted pair	==>	J2-17	TT+
J1-15	TxC/TxC--	Twisted pair	==>	J2-39	TT-

J1-16	Circuit_GND	no. 9	--	J2-20	RC
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¹ 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+
	RxD/TxD--		<--	J2-22	SD--
J1-13		no. 11			
J1-14	TxCE/TxC+	Twisted pair	==>	J2-5	ST+
	TxCE/TxC--		-->	J2-23	ST--
J1-11		no. 7			
J1-12	TxD/RxD+	Twisted pair	==>	J2-6	RD+
	TxD/RxD--		-->	J2-24	RD--
J1-1		no. 6			
J1-2	CTS/RTS+	Twisted pair	<==	J2-7	RS+
	CTS/RTS--		<--	J2-25	RS--
J1-24		no. 1			
J1-23	TxC/RxC+	Twisted pair	==>	J2-8	RT+
	TxC/RxC--		-->	J2-26	RT--
J1-9		no. 9			
J1-10	RTS/CTS+	Twisted pair	==>	J2-9	CS+
	RTS/CTS--		-->	J2-27	CS--
J1-29		no. 5			
J1-30	NIL/LL	Twisted pair	==>	J2-10	LL
	Circuit_GND			J2-37	SC
J1-3		no. 12			
J1-4	DTR/DSR+	Twisted pair	==>	J2-11	DM+
	DTR/DSR--		-->	J2-29	DM--
J1-3	DSR/DTR+	no. 4 Twisted pair	<==	J2-12	TR+
J1-4	DSR/DTR--		<==	J2-30	TR--

		no. 2			
J1-5					
J1-6	DCD/DCD+	Twisted pair	==>	J2-13	RR+
	DCD/DCD-		-->	J2-31	RR-
J1-26		no. 3			
J1-25	RxC/TxCE+	Twisted pair	<==	J2-17	TT+
	RxC/TxCE-		<--	J2-35	TT-
J1-15		no. 10			
J1-16	Circuit_GND	Twisted pair	--	J2-19	SG
	Circuit_GND		--	J2-20	RC
		no. 8			

¹ Any pin not referenced is not connected.

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Network Infrastructure: LAN Routing and Switching
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