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1658689-1 Product Details

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1658689-1

TE Internal Number: 1658689-1

Active

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Standard Cable Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Product Series = HDP-22 (Crimp Snap)
- 26 Positions
- With Enclosure
- Shielded

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- SHIELDING ENCLOSURE KIT, RCPT, SIZE 2, 26 POSN, HDP-... (PDF, English)

Catalog Pages/Data Sheets:

- AMPLIMITE Subminiature D Connectors - Cable Connectors (PDF, English)

Product Specifications:

- AMPLIMITE* HDP-22 Subminiature D Connector with Remo... (PDF, English)

Application Specifications:

- Type XII Contacts (PDF, English)

Instruction Sheets:

- Shielding Hardware Enclosure Kits with AMPLIMITE* HD... (PDF, English)
- AMPLIMITE HDP-22 Connectors (Plugs and Receptacles w... (PDF, English)
- Insertion/Extraction Tool 91285-1 and Replacement Ti... (PDF, English)

CAD Files: (CAD Format & Compression Information)

- 2D Drawing (DXF, Version 0)
- 3D Model (IGES, Version 0)
- 3D Model (STEP, Version 0)

[List all Documents](#)

Additional Information:

- Product Line Information

Related Products:

- Tooling
- Mating Products (4)
- Receptacle Kits (4)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Type = Connector
- Product Series = HDP-22 (Crimp Snap)
- Mating Connector Lock = With
- Mating Connector Lock Type = Jackscrews
- Shell Size = 2
- Shell Type = Full Metal Shell
- Grounding Indents = Without
- Grade = Standard
- Enclosure Material = PVC
- Color = Electrodeposited Polyurethane, Black
- Shell Material = Steel
- Shield Material = Steel

Electrical Characteristics:

- Shielded = Yes

Dimensions:

- Cable Insulation Diameter (mm [in]) = 4.83 - 9.53 [0.190 - 0.375]
- Cable Diameter (Max.) (mm [in]) = 9.53 [0.375]

Body Features:

- Jackscrew Material = Zinc Alloy
- Shell Plating = Tin
- Shield Plating = Tin
- Insert Material = Thermoplastic

Contact Features:

- Contact Size = 22

Housing Features:

- Enclosure = With
- Connector Style = Receptacle

Configuration Features:

- Number of Positions = 26
- Preloaded = No
- Pre-Assembled = No

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Insert Flammability Rating = UL 94V-0

Packaging Features:

- Packaging Method = Bulk
- Packaging Quantity = 100

Other:

- Brand = AMP
- Comment = There is a maximum Cable O.D. of 9.02 [.355] for Shielding Enclosure Expansion Tool 58241-4.; Components shipped unassembled, each part bulk-packaged.; Expansion Tool P/N 58241-4 is for use with Cable with a Maximum Outer Diameter of 9.02 [.355] .

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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	B	REVISED PER ECO-11-006475	20OCT2011	CJV CWR

- 1 RECEPTACLE ACCEPTS SIZE 22 DF SOCKET CONTACTS. CONTACTS MUST BE PURCHASED SEPARATELY.
- 2 ALL PARTS SHIPPED UNASSEMBLED.
- 3 FLAME RETARDANT 94V-0 RATED, STYRENE POLYOLEFIN OR PVC, BLACK.
- 4 FLAME RETARDANT 94V-0 RATED, GLASS FILLED NYLON OR POLYESTER, BLACK.
- 5 STEEL PER ASTM A109.
- 6 TIN PLATING PER MIL-T-10727.
- 7 ELECTRODEPOSITED POLYURETHANE, BLACK.
- 8 COMPONENTS INDIVIDUALLY BULK PACKED.
- 9 ZINC ALLOY.

EXPANDING NECK, ACCOMMODATES CABLE FROM .190-.375 DIA

1.685 MAX

FERRULE, MUST BE PURCHASED SEPARATELY, AS REQUIRED BY CABLE DIAMETER

4-40 JACKSCREW QTY: 2

SHIELD QTY: 2

ENCLOSURE

RCPT CONNECTOR HDP-22

1.467 TYP

.812 TYP

1.630 MAX

CABLE REF

.125 MAX

1.640 MAX

1.312 ± .005

W/ LOGOS	8	1658689-1
REMARKS	PACKAGING	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	13AUG07	 TE Connectivity			
DIMENSIONS: INCHES		CHK	13AUG07				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	13AUG07				
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .020 4 PLC ± - ANGLES ± -		NAME	C. ROHDE				
MATERIAL		PRODUCT SPEC	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
FINISH		WEIGHT	—	A2	00779	C=1658689	—
CUSTOMER DRAWING		SCALE	2:1	SHEET	1 of 1	REV	B

1471-9 (3/11)

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