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1658659-1 Product Details

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1658659-1

TE Internal Number: 1658659-1

Active

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Standard Cable Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Product Series = HDP-20 (Crimp Snap)
- 25 Positions
- With Enclosure
- Shielded

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [BULK KIT, PLUG, SHIELDING ENCLOSURE, SIZE 3, 25 POSN...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [AMPLIMITE Subminiature D Connectors - Cable Connectors](#) (PDF, English)

Product Specifications:

- [AMPLIMITE HDP-20 Subminiature D Connector With F Cri...](#) (PDF, English)

Application Specifications:

- [AMPLIMITE HDP-20 and Economy Crimp Snap Subminiature...](#) (PDF, English)

Instruction Sheets:

- [Shielding Hardware Kits w/AMPLIMITE hde-20 hdp-20 an...](#) (PDF, English)
- [Shielding Hardware Enclosure Kits with AMPLIMITE* HD...](#) (PDF, English)
- [Insertion/Extraction Tool 91285-1 and Replacement Ti...](#) (PDF, English)

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version B)
- [3D Model](#) (IGES, Version B)
- [3D Model](#) (STEP, Version B)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(8\)](#)
- [Plug Kits \(4\)](#)

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

Product Type Features:

- **Product Type** = Connector
- **Product Series** = HDP-20 (Crimp Snap)
- **Mating Connector Lock** = With
- **Mating Connector Lock Type** = Jackscrews
- **Shell Size** = 3
- **Shell Type** = Full Metal Shell
- **Grounding Indents** = With
- **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])** = 5.51 - 11.05 [0.217 - 0.435]
- **Cable Diameter (Max.) (mm [in])** = 8.89 [0.350]

Body Features:

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

Contact Features:

- **Contact Size** = 20

Housing Features:

- **Enclosure** = With
- **Connector Style** = Plug
- **Housing Material** = Nylon
- **UL Flammability Rating** = UL 94V-0
- **Housing Color** = Black

Configuration Features:

- **Number of Positions** = 25
- **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** = Plugs accept size 20 DF pin contacts.; Maximum cable diameter after jacket and braid removed.; There is a maximum Cable O.D. of 11.56 [.455] for Shielding Enclosure Expansion Tool 58241-1.

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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	C	REVISED PER ECO-11-006475	18OCT2011	CJV CWR

EXPANDING NECK ACCOMMODATES CABLE FROM .217-.435 DIA

FERRULE (MUST BE PURCHASED SEPARATELY AS REQD BY CABLE DIA)

4-40 JACKSCREW QTY:2

SHIELD QTY:2

ENCLOSURE

.125 MAX

.812 TYP

1.467 TYP

2.210 MAX

HDP-20 PLUG CONNECTOR

1.852 ±.005

.630 MAX

CABLE REF

1.660 MAX

1 PLUG ACCEPTS SIZE 20 DF PIN CONTACTS. CONTACTS MUST BE PURCHASED SEPARATELY.

2. ALL PARTS SHIPPED UNASSEMBLED.

3 FLAME RETARDANT 94V-0 RATED, STYRENE POLYOLEFIN OR PVC, BLACK.

4 INSERT - FLAME RETARDANT 94V-0 RATED GLASS FILLED, NYLON OR POLYESTER, BLACK.

5 STEEL PER ASTM A109.

6 .000200 MIN TIN PLATE OVER .000100 MIN COPPER UNDERPLATE.

7 COMPONENTS INDIVIDUALLY BULK PACKED.

8 ZINC ALLOY.

9 ELECTRODEPOSITED POLYURETHANE, BLACK.

7	W/LOGOS	1658659-1
PACKAGING	REMARKS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	J.REITZEL	31JUL03	 TE Connectivity
DIMENSIONS: mm		CHK	S.BOLASH	31JUL03	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	M.WALMSLEY	31JUL03	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .020 4 PLC ± - ANGLES ± - FINISH		PRODUCT SPEC	108-40030	NAME	
MATERIAL	3 4 5 8	WEIGHT	-	SIZE	A2
CUSTOMER DRAWING		SCALE	2:1	CAGE CODE	00779
		DRAWING NO	C=1658659	SHEET	1 of 1
		REV	C		

1471-9 (3/11)

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