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1658657-1 Product Details

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1658657-1

TE Internal Number: 1658657-1

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)
- 15 Positions
- With Enclosure
- Shielded

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [KIT, PLUG, SHIELDING ENCLOSURE, SIZE 2, 15 POSN, AMP...](#) (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 0)
- [3D Model](#) (IGES, Version 0)
- [3D Model](#) (STEP, Version 0)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(10\)](#)
- [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** = 2
- **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])** = 4.83 - 9.53 [0.190 - 0.375]
- **Cable Diameter (Max.) (mm [in])** = 8.89 [0.350]

Body Features:

- **Jackscrew Material** = Zinc Alloy
- **Shell Plating** = Tin over Copper
- **Shield Plating** = Tin
- **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** = 15
- **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:

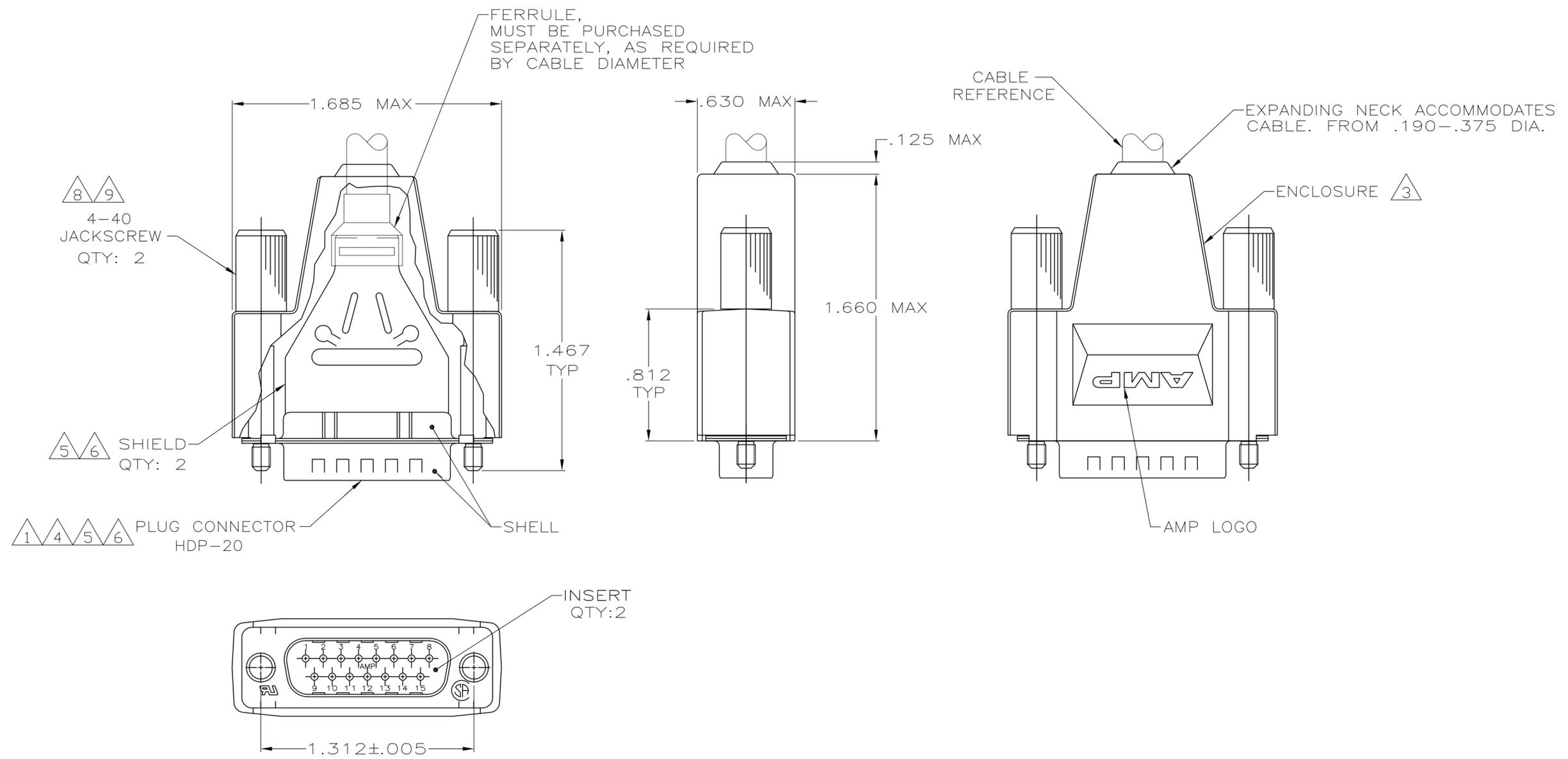
- **Packaging Method** = Bulk
- **Packaging Quantity** = 100

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 9.02 [.355] for Shielding Enclosure Expansion Tool 58241-4.

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



- 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, COLOR: BLACK.
- 4 FLAME RETARDANT 94V-0 RATED, GLASS FILLED NYLON OR POLYESTER, COLOR: 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	1658657-1
PACKAGING	REMARKS	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	J.REITZEL	31JUL03	 TE Connectivity			
DIMENSIONS: INCHES		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					
MATERIAL		APPLICATION SPEC	114-40030		NAME	KIT, PLUG, SHIELDING ENCLOSURE, SIZE 2, 15 POSN, AMPLIMITE™ HDP-20		
3 4 5 8		WEIGHT	-		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
6 9		CUSTOMER DRAWING	A2 00779		SCALE	C=1658657		-
		SCALE	2:1		SHEET	1 of 1		REV R

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