

1-747944-5 Product Details

[Share](#) [Print](#) [Email](#)




1-747944-5

TE Internal Number: 1-747944-5

 Active

[View 3D PDF](#)

Standard Cable Connectors

 Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Connector
- Product Series = HDE-20 (IDC)
- 9 Positions
- With Enclosure
- Shielded

[View all Features](#)

Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Mating Products \(109\)](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#)

[Request Sample](#)

[Find Similar Products](#)

[Buy Product](#)

Documentation & Additional Information

Product Drawings:

- [SHIELDING ENCLOSURE KIT, PLUG, SIZE 1, 9 POSN, AMPLI...](#) (PDF, English)

Catalog Pages/Data Sheets:

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

Product Specifications:

- [AMPLIMITE HDE-20 Insulation Displacement Connector](#) (PDF, English)
- [AMPLIMITE Shielding Hardware Connector](#) (PDF, English)

Application Specifications:

- [AMPLIMITE HDE-20 IDC Connectors](#) (PDF, English)
- [AMPLIMITE HDE-20 Shielding Hardware Kits With and Wi...](#) (PDF, English)

Instruction Sheets:

- [AMPLIMITE High Den. \(HDE-20\) Insulation Displacement...](#) (PDF, English)
- [Shielding Hardware Enclosure Kits with AMPLIMITE* HD...](#) (PDF, English)

CAD Files: (CAD Format & Compression Information)

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

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(109\)](#)

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

Product Type Features:

- [Product Type](#) = Connector
- [Product Series](#) = HDE-20 (IDC)
- [Wire/Cable Type](#) = Discrete Wire, Round Jacketed Cable
- [Wire Insulation Diameter \(mm \[in\]\)](#) = 1.52 [0.060]
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Jackscrews
- [Shell Size](#) = 1
- [Shell Type](#) = Front Metal Shell
- [Grounding Indents](#) = With

Contact Features:

- [Contact Type](#) = Pin
- [Contact Base Material](#) = Phosphor Bronze
- [Contact Plating, Mating Area, Material](#) = Gold (30)
- [Solder Tail Contact Plating](#) = Tin over Nickel
- [Contact Size](#) = 20

Housing Features:

- [Enclosure](#) = With
- [Connector Style](#) = Plug

- [Insulation Support](#) = Yes
- Grade = Standard
- Enclosure Material = PVC
- Color = Electrodeposited Polyurethane, Black

Termination Features:

- [Termination Method to Wire/Cable](#) = Insulation Displacement Crimp (IDC)

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:

- [Wire Range \(mm² \[AWG\]\)](#) = 0.15 - 0.40 [26-22]
- Jackscrew Material = Zinc Alloy
- Shell Material = Steel
- Shell Plating = Tin
- Shield Material = Steel
- Shield Plating = Tin
- Insert Material = Thermoplastic

Configuration Features:

- Number of Positions = 9
- [Shielded](#) = Yes
- [Preloaded](#) = Yes
- [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](#) = Loose Piece/Bulk

Other:

- Brand = AMP
- Comment = There is a maximum Cable O.D. of 9.02 [.355] for Shielding Enclosure Expansion Tool 58241-4.; Maximum cable diameter after jacket and braid removed.

Corporate Information

- [About TE](#)
- [Investors](#)
- [News Room](#)
- [Supplier Portal](#)
- [Careers](#)
- [Terms & Conditions](#)
- [Privacy Policy](#)

Quick Links

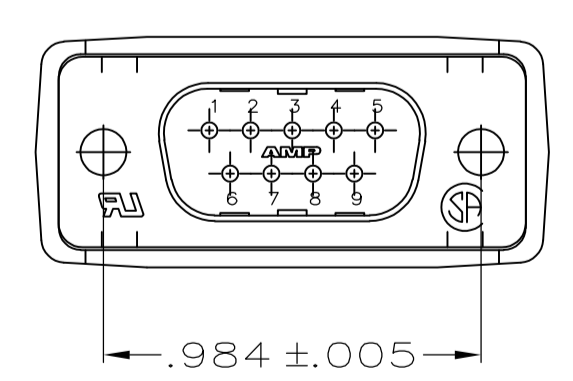
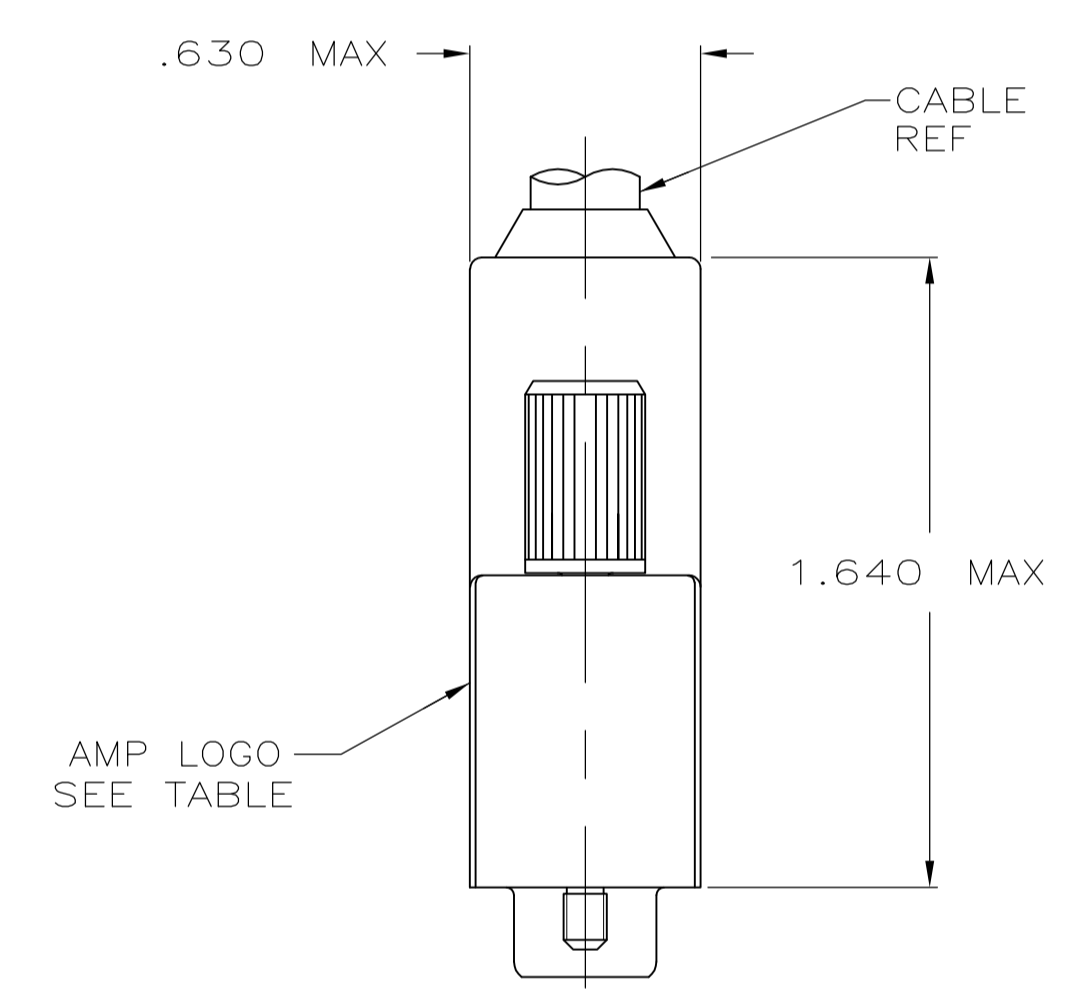
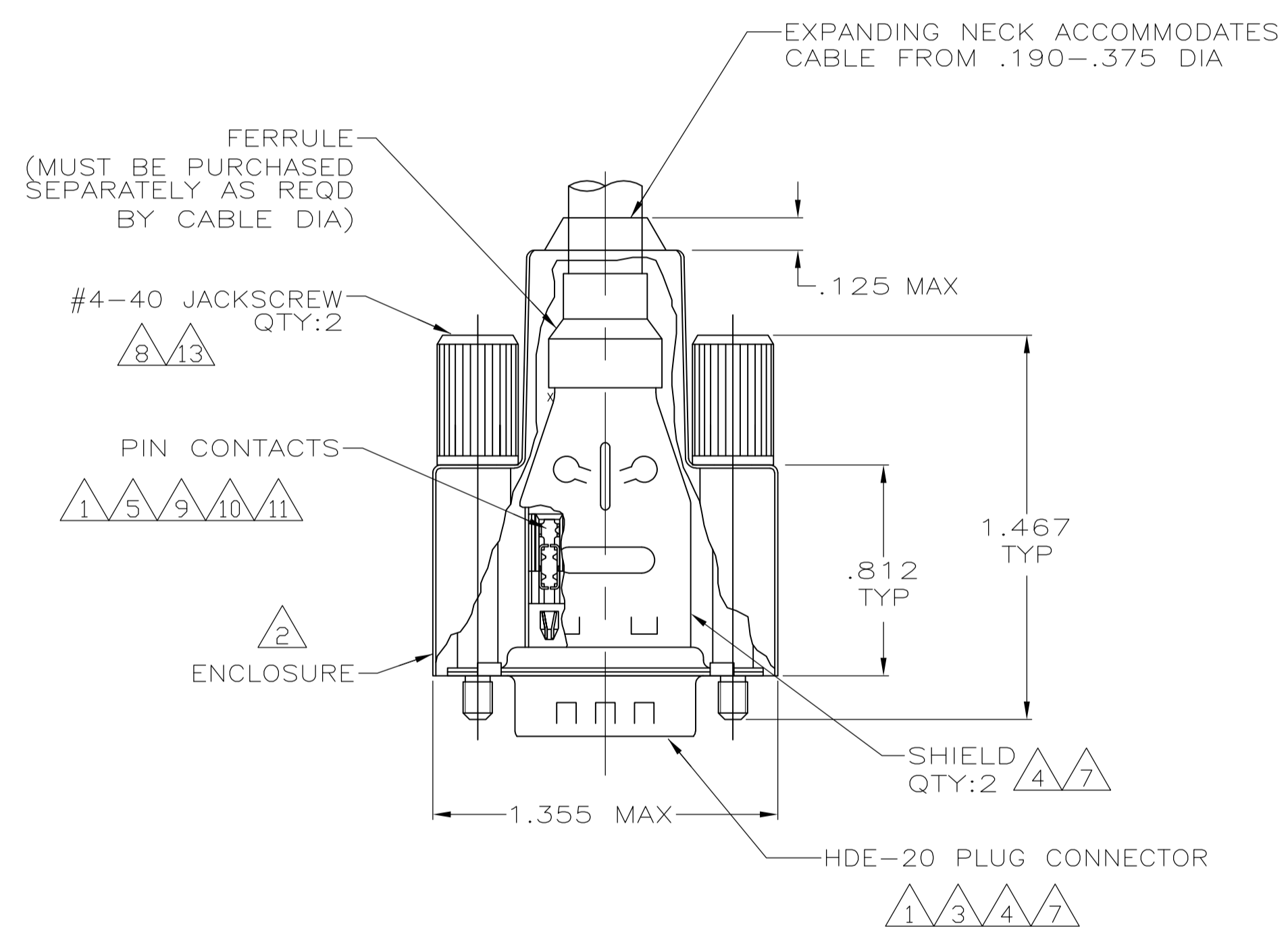
- [Distributor Inventory](#)
- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
- [Site Map](#)

Customer Support

- [Email or Chat With Us](#)
- [Find a Phone Number](#)
- [Knowledge Base](#)
- [Manage Your Account](#)

Keep Me Informed





- ① PLUG CONNECTOR FULLY LOADED WITH CONTACTS. ALL OTHER PARTS ARE SHIPPED UNASSEMBLED. EACH PART INDIVIDUALLY BULK PACKED.
- ② FLAME RETARDANT 94V-0 RATED, POLYOLEFIN OR PVC, BLACK.
- ③ FLAME RETARDANT 94V-0 RATED, GLASS-FILLED, NYLON OR POLYESTER, BLACK.
- ④ STEEL PER ASTM A109.
- ⑤ PHOSPHOR BRONZE PER QQ-B-750.
- ⑥ GOLD PLATING PER MIL-G-45204, NICKEL PLATING PER QQ-N-290, TIN PLATING PER MIL-T-10727, ZINC PLATING PER B633, TYPE II, CLASS SCI, BLACK CHROMATE.
- ⑦ TIN PLATED.
- ⑧ ELECTRODEPOSITED POLYURETHANE, BLACK.
- ⑨ GOLD PLATED FOR LENGTH OF .150 MIN FROM MATING END, GOLD FLASH IN MATED AREA. .000100-.000200 TIN OR IN TIN-LEAD IN WIRE TERMINATION AREA. .000030 NICKEL UNDERPLATE ON ENTIRE CONTACT.
- ⑩ CONTACTS GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, .000030 MIN GOLD IN MATED AREA, .000100-.000200 BRIGHT TIN OR BRIGHT TIN-LEAD IN WIRE TERMINATION AREA, ALL OVER .000050 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
OR
CONTACTS GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, GOLD FLASH OVER .000030 MIN PALLADIUM-NICKEL IN MATED AREA, .000100-.000200 BRIGHT TIN OR BRIGHT TIN-LEAD IN WIRE TERMINATION AREA, ALL OVER .000050 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
- ⑪ NUMBER ON CONTACT INDICATES WIRE RANGE.
- ⑫ OBSOLETE PART NUMBER.
- ⑬ ZINC ALLOY.
- ⑭ CONTACTS GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, .000030 MIN GOLD IN MATED AREA, .000100-.000200 MATTE TIN IN WIRE TERMINATION AREA, ALL OVER .000050 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
OR
CONTACTS GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, GOLD FLASH OVER PALLADIUM-NICKEL, .000030 MIN TOTAL IN MATED AREA, .000100-.000200 MATTE TIN IN WIRE TERMINATION AREA, ALL OVER .000050 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
- ⑮ CONTACTS PLATED GOLD FLASH FOR A LENGTH OF .150 MIN FROM MATING END, .000100-.000200 MATTE TIN IN WIRE TERMINATION AREA, ALL OVER .000030 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.

				⑫	9-747944-2
⑮	YES	2	22-26	⑫	1-747944-6
⑭	YES	2	22-26	⑫	1-747944-5
⑨	NO	3	20-22	⑫	1-747944-2
	NO	2	22-26	⑫	1-747944-1
	NO	1	26-30	⑫	1-747944-0
⑩	NO	3	20-22	⑫	747944-9
	NO	2	22-26	⑫	747944-8
	NO	1	26-30	⑫	747944-7
⑨	YES	3	20-22	⑫	747944-6
	YES	2	22-26	⑫	747944-5
	YES	1	26-30	⑫	747944-4
⑩	YES	3	20-22	⑫	747944-3
	YES	2	22-26	⑫	747944-2
	YES	1	26-30	⑫	747944-1
CONTACT FINISH	LOGO	⑪	WIRE RANGE	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN L VARELA -DOCK5 11-17-04	CJK J. GERACE 11-17-04	APVD M. WALMSLEY 11-17-04	NAME
0 PLC ± -	1 PLC ± -	STE TE Connectivity			SHIELDING ENCLOSURE KIT, PLUG, SIZE 1, 9 POSN, AMPLIMITE HDE-20
2 PLC ± -	3 PLC ± .020	114-40002			SIZE CAGE CODE DRAWING NO RESTRICTED TO
4 PLC ± -	ANGLES ± -	WEIGHT	A1 00779	747944	
MATERIAL ⑬	FINISH ⑭	CUSTOMER DRAWING		SCALE 4:1	SHEET 1 OF 1 REV Z