

# 1-745498-5 Product Details



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Active

## Standard Cable Connectors



[Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

### Product Highlights:

- Connector
- Product Series = HDE-20 (IDC)
- Number of Positions = 37
- Plug
- With Contacts

[View all Features](#) | [Find Similar Products](#)

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## Documentation & Additional Information

### Product Drawings:

- [PLUG ASSEMBLY, METAL SHELL, SIZE 4, 37 POSITION, SER...](#) (PDF, English)

### Catalog Pages/Data Sheets:

- None Available

### Product Specifications:

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

### Application Specifications:

- [AMPLIMITE HDE-20 IDC Connectors](#) (PDF, English)

### Instruction Sheets:

- [AMPLIMITE High Den. \(HDE-20\) Insulation Displacement...](#) (PDF, English)

### CAD Files: ([CAD Format & Compression Information](#))

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

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)
- [Mating Products \(138\)](#)

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

### Product Type Features:

- [Product Type](#) = Connector
- [Product Series](#) = HDE-20 (IDC)
- Number of Positions = 37
- [Gender](#) = Plug
- [Wire/Cable Type](#) = Discrete Wire, Round Jacketed Cable
- [Wire Termination Type](#) = Insulation Displacement Crimp (IDC)
- [Wire Insulation Diameter \(mm \[in\]\)](#) = 1.52 [0.060]
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Mounting Holes
- [Shell Size](#) = 4
- [Shell Type](#) = Full Metal Shell
- [Grounding Indents](#) = With
- Grade = Standard
- Color = Black
- Shell Material = Steel
- Comment = All connectors are preloaded. Individual conductor strands should be larger than 0.13 [.005] diameter. Contacts accept a max. wire insulation thickness of 0.38 [.015]. HDE connectors are designed for terminating solid or stranded (7-strand max.) wire.; Individual conductor strands should be larger than 0.127 in. [.005] diameter.; Connectors can be made available with clinch nuts, contact AMP Incorporated; HDE connectors are designed for terminating solid or stranded (7-strand max.) wire.

### Termination Related Features:

- [Solder Tail Contact Plating](#) = Tin over Nickel

### Body Related Features:

- [Wire Range \(mm<sup>2</sup> \[AWG\]\)](#) = 0.15 - 0.40 [26-22]
- Shell Plating = Tin
- Insert Material = Thermoplastic
- Insert Flammability Rating = UL 94V-0

### Contact Related Features:

- [Contacts](#) = With
- [Contact Mating Area Plating](#) = Gold Flash over Palladium Nickel or Gold (30) over Nickel
- [Contact Size](#) = 20
- Contact Material = Phosphor Bronze

### 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

### Other:

- Brand = AMP

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