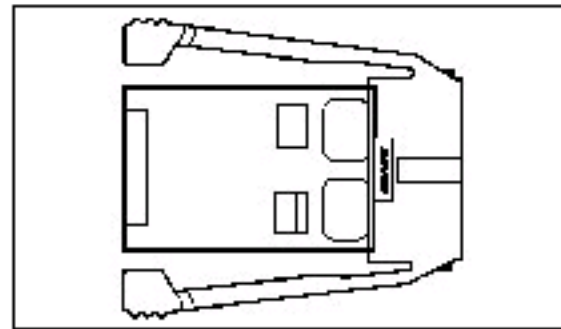


4-520424-1 Product Details

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4-520424-1

TE Internal Number: 4-520424-1
 Active

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SDL (Shielded Data Link)

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Cable Type = Round
- Plug
- Product Series = 50 Series
- Receptacle Configuration = Standard

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [PLUG SUB-ASSY, ROUND CABLE, 50 SERIES, SDL \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- [SDL Systemj Connector \(PDF, English\)](#)

Application Specifications:

- [36-Series and 50-Series Round-Cable SDL Plug Connectors \(PDF, English\)](#)

Instruction Sheets:

- [SDL Plugs and Receptacles \(PDF, English\)](#)
- [Crimping Die Assemblies 58195-1, 58195-2, 58195-3, a... \(PDF, English\)](#)

CAD Files: (CAD Format & Compression Information)

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

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- **Product Type** = Connector
- **Cable Type** = Round
- **Gender** = Plug
- **Product Series** = 50 Series
- **Receptacle Configuration** = Standard
- **Wire Size (mm² [AWG])** = 0.12-0.15² [26], 0.2² [24]
- **PCB Mount Retention** = Without
- **Shield Material** = Steel

Dimensions:

- **Conductor Insulation Diameter (mm [in])** = 1.14 - 1.27 [0.045 - 0.050]

Body Features:

- **Shield Plating** = Bright Tin

Contact Features:

- **Contact Base Material** = Copper Alloy
- **Contact Plating, Mating Area, Material** = Gold (50)

Housing Features:

- **Housing Material** = Polycarbonate GF
- **Housing Color** = Smoke Gray
- **UL Flammability Rating** = UL 94V-2

Configuration Features:

- **Number of Conductors** = 4

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
- **Agency/Standard** = CSA, UL

Identification Marking:

- **Keying** = D

Other:

- **Brand** = AMP
- **Comment** = Prefix no. designates key configuration. Suffix no. is a code for the number of conductors. Prefix & suffix nos. of plug assemblies must match those of the intended mating receptacle. Keys are molded in as an integral part of the plug & receptacle.; Plug assemblies for round cable need a top shield, bottom shield, boot, and ferrule.

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