



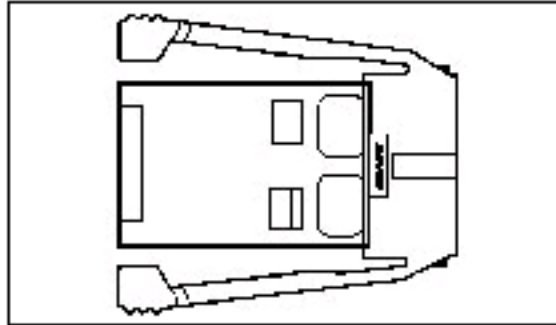
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5-520424-1 Product Details

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5-520424-1

TE Internal Number: 5-520424-1
✔ 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 = E

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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