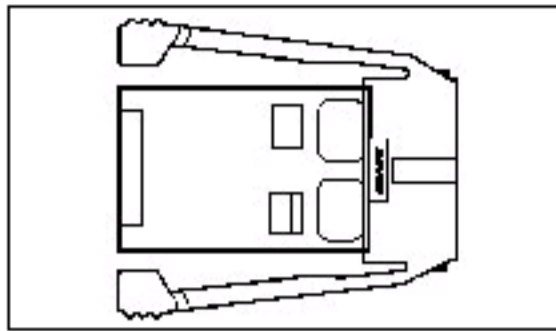


## 1-520424-1 Product Details

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1-520424-1

TE Internal Number: 1-520424-1

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](#)

#### Quick Links

- ▶ [Pricing & Availability](#)
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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 \(STEP, Version AE\)](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

[List all Documents](#)

### 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 \(mm<sup>2</sup> \[AWG\]\)](#) = 0.12-0.15<sup>2</sup> [26], 0.2<sup>2</sup> [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](#) = A

#### 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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