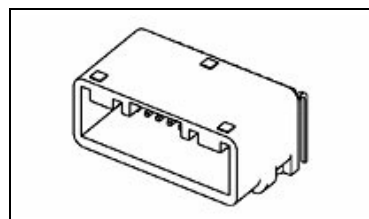




# 1318853-2 Product Details

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**1318853-2**

TE Internal Number: 1318853-2

Active

## 0.025 Series and Hybrid Connectors and Contacts

Always EU RoHS/ELV Compliant (Statement of Compliance)

### Product Highlights:

- Product Series = 025
- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Connector Assembly

[View all Features](#)

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## Documentation & Additional Information

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### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)

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

### Product Type Features:

- Product Series = 025
- [Product Type](#) = Connector
- Connector Type = Connector Assembly
- [PCB Mounting Orientation](#) = Right Angle
- PCB Mount Retention = With
- PCB Mount Retention Type = Tapping Screw
- Sealed = No
- PCB Mount Alignment = With
- PCB Mount Alignment Type = Mounting Holes

### Mechanical Attachment:

- Contact Retention = Without
- Mating Retention Type = Latching
- Panel Mount Retention = Without

### Electrical Characteristics:

- Operating Voltage Reference = DC
- Operating Voltage (VDC) = 12

### Termination Features:

- Termination Method to Wire/Cable = Solder
- Termination Method to PC Board = Through Hole - Solder

### Dimensions:

- Tab Width (mm [in]) = 0.64 [0.025]
- Tail Length (mm [in]) = 4 [0.157]
- PCB Thickness, Recommended (mm [in]) = 1.20 [0.048], 1.60 [0.063]
- Length (X-Axis) (mm [in]) = 18.40 [0.7244]
- Width (Z-Axis) (mm [in]) = 31.80 [1.252]
- Profile Height (Y-Axis) (mm [in]) = 15.50 [0.6102]

### Body Features:

- Mating Retention = With

### Contact Features:

- Contact Type = Tab
- Multiple Contact Types = Without
- Contact Base Material = Brass
- [Contact Mating Area Plating \(Signal\)](#) = Pre-Tin
- Contact Plating, Termination Area, Material = Pre-Tin
- Contact Plating, Termination Area, Thickness (µm [µin]) = 0.8 - 1.5 [31.496 - 59.055]
- Underplate Material = Copper

### Housing Features:

- Connector Style = Receptacle
- Centerline (mm [in]) = 2.20 [0.087]
- [Housing Material](#) = PBT - GF15
- [Housing Color](#) = Natural
- Mating Alignment = With
- Mating Alignment Type = Keyed

### Configuration Features:

- [Number of Positions](#) = 24
- Number of Rows = 2
- Strain Relief = Without
- GET 0.64 Connector System = No

### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C
- RoHS/ELV Compliance History = Always was RoHS compliant

### Identification Marking:

- Keying = 1

### Environmental:

- Operating Temperature (°C [°F]) = -30 - +105 [-22 - +221]

### Conditions for Usage:

- [Applies To](#) = Printed Circuit Board
- For Use With = Plug; 1318917

### Operation/Application:

- Application Use = Wire-to-Board
- Contact Transmits (Typical Application) = Signal (Data)

### Packaging Features:

- Packaging Method = Tube, Paper Box
- Packaging Quantity = 14

### Other:

- Brand = AMP

- Underplate Material Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 0.50 [19.685]
- Shunts/Shorting Bars = Without

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