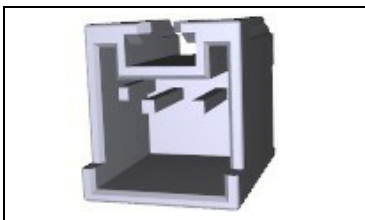




316531-1 Product Details

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316531-1

TE Internal Number: 316531-1

Active

2.5mm Signal Double Lock Connector

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

Product Highlights:

- Connector
- Wire-to-Board
- Applies To Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- Header

[View all Features](#)

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Documentation & Additional Information

<p>Product Drawings:</p> <ul style="list-style-type: none"> • 2.5MM SIGNAL DBL LOCK STD TYPE HDR IN TUBE 2P (PDF, Japanese) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • None Available <p>Product Specifications:</p> <ul style="list-style-type: none"> • 2.5 Signal DBL Lock Connector (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • AMP 2.5 SIGNAL DOUBLE LOCK CONNECTOR SERIES (PDF, English) <p>CAD Files:</p> <ul style="list-style-type: none"> • None Available 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Additional Product Images:</p> <ul style="list-style-type: none"> • PCB Layout <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling • Mating Products (1)
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[List all Documents](#)

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

<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Type = Connector • Connector Type = Header • Profile = Standard • PCB Mounting Orientation = Vertical • PCB Mount Retention = With • PCB Mount Alignment = Without • PCB Mount Retention Type = Kinked • Sealed = No <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Contact Retention = Without • Mating Retention Type = Latching <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Contact - Rated Current (A) = 3 • Operating Voltage Reference = AC/DC • Operating Voltage (VAC) = 50 • Operating Voltage (VDC) = 50 <p>Termination Features:</p> <ul style="list-style-type: none"> • Termination Method to Wire/Cable = Solder • Termination Method to PC Board = Through Hole - Solder <p>Dimensions:</p> <ul style="list-style-type: none"> • Tail Length (mm [in]) = 3.2 [0.126] • PCB Thickness, Recommended (mm [in]) = 1.60 [0.063] <p>Body Features:</p> <ul style="list-style-type: none"> • Header Type = Shrouded • Mating Retention = With 	<p>Housing Features:</p> <ul style="list-style-type: none"> • Connector Style = Receptacle • Centerline (mm [in]) = 2.50 [0.098] • Housing Material = Nylon 6/6 GF • Housing Color = Natural • Mating Alignment = With • Mating Alignment Type = Polarization <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 2 • Number of Rows = 1 • Strain Relief = Without <p>Industry Standards:</p> <ul style="list-style-type: none"> • RoHS/ELV Compliance = RoHS compliant, ELV compliant • Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C • RoHS/ELV Compliance History = Converted to comply with RoHS directive • UL Flammability Rating = UL 94V-0 <p>Environmental:</p> <ul style="list-style-type: none"> • Operating Temperature (°C [°F]) = -30 - +105 [-22 - +221] <p>Conditions for Usage:</p> <ul style="list-style-type: none"> • Applies To = Printed Circuit Board • Glow Wire Rating = Standard Part - Not Glow Wire <p>Operation/Application:</p> <ul style="list-style-type: none"> • Application Use = Wire-to-Board • Contact Transmits (Typical Application) = Signal (Data)
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Feedback

Contact Features:

- Contact Type = Tab
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Pre-Tin
- Contact Plating, Mating Area, Thickness (μm [μin]) = 0.8 - 2.5 [31.49 - 98.42]
- Contact Plating, Termination Area, Material = Pre-Tin
- Contact Plating, Termination Area, Thickness (μm [μin]) = 0.8 - 2.5 [31.49 - 98.42]
- Underplate Material = Copper
- Underplate Material Thickness (μm [μin]) = 0.50 - 1.20 [19.680 - 47.240]
- Contact Size = .64

Packaging Features:

- Packaging Method = Tube
- Packaging Quantity = 64

Other:

- Brand = AMP

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