

# HEADERS & RECEPTACLES



5 POS EIS POST HDR El Series | El Series

**171825-5** TE Internal Number: 171825-5

TE CONNECTIVITY (TE)

Always EU RoHS/ELV Compliant

Centerline **2.5 mm [.098 in ]** Number of Positions **5** PCB Mounting Orientation **Vertical** PCB Mounting Style **Through Hole** Number of Rows **1** 

| Product | Drawings |
|---------|----------|
| TTOQUEL | Drawings |

#### POST HEADER ASSY (VERTICAL) AMP EI SERIES CONNECTOR PDF English

CAD Files

J 3D PDF

Customer View Model 2D\_DXF.ZIP English

Customer View Model 3D\_STP.ZIP English

Customer View Model 3D\_IGS.ZIP English

## 3D PDF

PDF English

### **Product Specifications**

Product Specification

AMP El Series, Connector TIF Japanese AMP El Series, Connector PDF Japanese

AMP Mass-Termination "EI" Series Connector TIF English

AMP Mass-Termination "EI" Series Connector PDF English AMP EI Series Connector PDF English

AMP El Series Connector TIF English

Qualification Test Report

9 6 f v

## Product Environmental Compliance

TE Material Declaration

### MD\_171825-5\_09062011630 PDF English

Please review product documents or **contact us** for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

| Product Type Features      | PCB Mounting Orientation                        | Vertical              |
|----------------------------|---|-----------------------|
|                            | Product Type                                    | Connector             |
|                            | Connector Type                                  | Header                |
|                            | Strain Relief                                   | Without               |
|                            | Profile   | Low, Standard         |
|                            | Connector Style                                 | Plug                  |
|                            | Applies To                                      | Printed Circuit Board |
|                            |   |                       |
| Configuration Features     | Number of Positions                             | 5                     |
|                            | Number of Rows                                  | 1                     |
|                            | Number of Positions Applied                     | 5                     |
|                            | Backwall/Post Interruptions                     | Without               |
|                            |   |                       |
| Electrical Characteristics | Operating Voltage (VAC)                         | 250                   |
| De du Castura              | Usedas Tona                                     | Shrouded              |
| Body Features              | Header Type<br>Circuit                          | Standard              |
|                            | Circuit   | Standard              |
| Contact Features           | Contact Mating Area Plating Material            | Tin over Copper       |
|                            | Contact Type                                    | Pin                   |
|                            | Solder Tail Contact Plating Material            | Tin over Copper       |
|                            | Contact Termination Area Plating Thickness (µm) | .8                    |
|                            | Contact Current Rating (A)                      | 3.5                   |
|                            | Contact Shape                                   | Square                |
|                            | Tail Plating Material                           | Tin                   |
|                            | Contact Termination Area Plating Material       | Tin                   |
|                            | Contact Base Material                           | Brass                 |
|                            |   |                       |
| Mechanical Attachment      | PCB Mounting Style                              | Through Hole          |
|                            |   |                       |

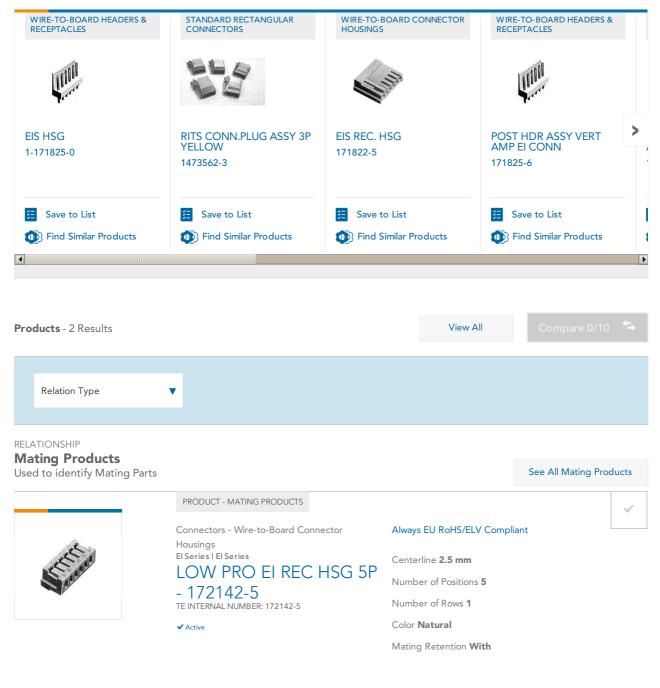
PCB Mount Alignment

Without

|                       | Mating Retention<br>PCB Mount Retention<br>Panel Mount Retention<br>Contact Retention<br>Mating Alignment Type<br>Mating Retention Type                         | With Without Without Vithout Polarization With Polarized Lock   |
|-----------------------|---|---|
| Housing Features      | Centerline<br>Housing Color<br>Housing Material   | 2.5 mm [ .098 in ]<br>Natural<br>6/6 Nylon  |
| Dimensions            | Tail Length<br>Wire/Cable Size (mm²)<br>PCB Thickness (Recommended)<br>Wire/Cable Size (CMA)<br>Mating Post Length<br>Length<br>Height<br>Wire/Cable Size (AWG) | 3.6 mm [ .142 in ]<br>.08 – .33<br>1.6 mm [ .063 in ]<br>159.8 – 642.4<br>7.5 mm [ .295 in ]<br>12.5 mm [ .492 in ]<br>10.4 mm [ .409 in ]<br>28 – 22 |
| Usage Conditions      | Operating Temperature Range (°C)  | -20 – 95  |
| Operation/Application | For Use With<br>Pick and Place Cover  | Receptacle Assembly<br>Without  |
| Industry Standards    | UL Flammability Rating<br>CSA Certified<br>Agency/Standard  | UL 94V-0<br>Yes<br>UL   |
| Packaging Features    | Packaging Method<br>Packaging Quantity  | Bag/Box<br>500  |
|                       |   |   |

VIEW ALL PRODUCT COMPLIANCE

# CUSTOMERS ALSO BOUGHT









✓ Active

Always EU RoHS/ELV Compliant

See All Mating Products

Centerline **2.5 mm** Number of Positions **5** 

Number of Rows **1** 

Color Natural

Mating Retention With