CONNECTORS

# STANDARD RECTANGULAR CONNECTORS

✔ Active

⬇ **PRODUCT DRAWING**
English

⬇ **3D PDF**

**TE CONNECTIVITY (TE)**

## METRIMATE PIN HEADER ASSY,6P

METRIMATE | Metrimate

### 207583-3
TE Internal Number: 207583-3

Not EU RoHS or ELV Compliant
Find Compliant Alternatives

Product Type **Connector**

Mating Alignment **With**

Mating Alignment Type **Polarization**

Mating Retention **With**

Mating Retention Type **Locking Tab**

## Product Drawings

PIN HEADER ASSEMBLY, 6 POSN, IN-LINE, SMALL METRIC CONNECTOR, METRIMATE
PDF **(TIFF AVAILABLE)**
**English**

PIN HEADER ASSEMBLY, 6 POSN, IN-LINE, SMALL METRIC CONNECTOR, METRIMATE
PDF **(TIFF AVAILABLE)**
**English**

## CAD Files

Customer View Model
3D_IGS.ZIP
**English**

Customer View Model
3D_STP.ZIP
**English**

Customer View Model
2D_DXF.ZIP
**English**

3D PDF
PDF
**English**

## Product Specifications

Application Specification

Metrimate Self-Locking Connectors
PDF
**English**

METRIMATE Self-Locking Connectors
TIF
**Japanese**

METRIMATE Self-Locking Connectors
PDF
**Japanese**

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

| | | |
|---|---|---|
| | Product Type | **Connector** |
| | PCB Mounting Orientation | **Vertical** |
| | Connector System | **Wire-to-Board** |
| | Connector Style | **Receptacle** |
| | Connector Type | **Header** |
| | Applies To | **Printed Circuit Board** |

## Configuration Features

| | | |
|---|---|---|
| | Number of Positions | **6** |
| | Number of Rows | **1** |
| | Connector Configuration | **Inline** |

## Electrical Characteristics

| | | |
|---|---|---|
| | Operating Voltage | **600 VAC [ 600 VDC ]** |

## Contact Features

| | | |
|---|---|---|
| | Contact Current Rating (A) | **7.5** |
| | Contact Type | **Pin** |
| | Tail Plating Material | **Tin-Lead** |
| | Contact Transmits (Typical) | **Signal (Data)** |
| | Contact Layout | **Inline** |

## Termination Features

| | | |
|---|---|---|
| | Termination Method to PC Board | **Through Hole - Solder** |

## Mechanical Attachment

| | | |
|---|---|---|
| | Mating Alignment | **With** |
| | Mating Alignment Type | **Polarization** |
| | Mating Retention | **With** |
| | Mating Retention Type | **Locking Tab** |
| | PCB Mount Retention | **With** |
| | PCB Mount Retention Type | **Mounting Holes** |

## Housing Features

| | | |
|---|---|---|
| | Centerline | **5 mm [ .197 in ]** |
| | Housing Material | **Nylon GF** |
| | Housing Color | **Red** |

## Dimensions

| | | |
|---|---|---|
| | PCB Thickness (Recommended) | **1.6 mm [ .063 in ]** |
| | Tail Length | **4.72 mm [ .1858 in ]** |
| | Width (mm) | **17.5** |

|  |  |  |
|---|---|---|
|  | Length (mm) | **51.87** |
|  | Height (mm) | **12.7** |

| Usage Conditions | Operating Temperature Range | **-55 – 130 °C [ -67 – 266 °F ]** |
|---|---|---|

| Operation/Application | For Use With | **Plug Housing** |
|---|---|---|

| Industry Standards | UL Flammability Rating | **UL 94V-0** |
|---|---|---|
|  | CSA File Number | **LR16455** |
|  | VDE Tested | **Yes** |
|  | UL Rating | **Certified, Recognized** |
|  | Agency/Standard | **CSA, UL** |
|  | UL File Number | **E28476** |

| Packaging Features | Packaging Quantity | **10** |
|---|---|---|
|  | Packaging Method | **Tube, Tube/Box** |

| Product Compliance | Statement of Compliance<br>PDF |
|---|---|
|  | VIEW ALL PRODUCT COMPLIANCE |