



STANDARD RECTANGULAR CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**
Japanese

↓ **3D PDF**

TE CONNECTIVITY (TE)

DYNAMIC 3100 HDR ASSY 4P V K/Y

[Dynamic Series](#) | [Dynamic 3000 Series](#)

2-178314-2

TE Internal Number: 2-178314-2

[Always EU RoHS/ELV Compliant](#)

Product Type **Connector**

Mating Alignment **With**

Mating Alignment Type **Keyed**

Mating Retention **Without**

PCB Mount Retention **With**

Product Drawings

[4 POS SINGLE ROW VERTICAL HDR ASS'Y FOR DYNAMIC 3100](#)

PDF ([TIFF AVAILABLE](#))

Japanese

[4 POS SINGLE ROW VERTICAL HDR ASS'Y FOR DYNAMIC 3100](#)

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Japanese

CAD Files

[Customer View Model](#)

2D_DXF.ZIP

English

[Customer View Model](#)

3D_IGS.ZIP

English

[Customer View Model](#)

3D_STP.ZIP

English

[3D PDF](#)

PDF

English

Catalog Pages/Data Sheets

[D3000 Series Dynamic Connectors](#)

PDF

English

[1-1773732-4_DYNAMIC_SERIES_CATALOG_ENGLISH](#)

PDF

English

Product Specifications

Product Specification

[Dynamic Connector D-3000 Series](#)

TIF

Japanese

[Dynamic Connector D-3000 Series](#)

PDF

Japanese

Qualification Test Report

[DYNAMIC D-3000 SERIES CONNECTOR](#)

PDF

Japanese

Product Environmental Compliance

TE Material Declaration

[MD_2-178314-2_02032016728_dmtec](#)
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 | Product Type | Connector |
| | PCB Mounting Orientation | Vertical |
| | Sealed | No |
| | Connector System | Wire-to-Board |
| | Shielded | No |
| | Insertion Force | High |
| | Connector Style | Plug |
| | Glow Wire Rating | Standard Part - Not Glow Wire |
| | Strain Relief | Without |
| | Series Number | 3000 |
| | Shrouded | Yes |
| | Connector Type | Header |
| | Applies To | Printed Circuit Board |
| Configuration Features | Number of Positions | 4 |
| | Number of Rows | 1 |
| | Preloaded | Yes |
| | Keying | Y |
| | Selectively Loaded | No |
| Electrical Characteristics | Operating Voltage | 250 VAC [250 VDC] |
| | UL Voltage Rating | 250 VAC [250 VDC] |
| Body Features | Header Type | Shrouded |
| | Sealable | No |
| Contact Features | Contact Plating Material | Gold |
| | Contact Style | Straight |
| | Contact Transmits (Typical) | Power, Signal (Data) |
| | Shunts/Shorting Bars | Without |

| | | |
|-----------------------|--------------------------------|--------------------------------------|
| | Straddle Mounting Style | Through Hole |
| | Contact Layout | Inline |
| | Tail Plating Thickness | 2 µm [78.74 µin] |
| | Multiple Contact Types | Without |
| | Contact Type | Tab |
| | Tail Plating Material | Tin |
| | | |
| Termination Features | Termination Method to PC Board | Through Hole - Solder |
| | | |
| Mechanical Attachment | Mating Alignment | With |
| | Mating Alignment Type | Keyed |
| | Mating Retention | Without |
| | PCB Mount Retention | With |
| | PCB Mount Retention Type | Retention Leg |
| | Contact Retention | Without |
| | PCB Mount Alignment | Without |
| | Lock Type | Latch |
| | | |
| Housing Features | Centerline | 3.81 mm [.149 in] |
| | Housing Material | Polyester GF |
| | Housing Color | Black |
| | | |
| Dimensions | PCB Thickness (Recommended) | 1.6 mm [.063 in] |
| | Tail Length | 3.8 mm [.149 in] |
| | Width | 9.35 mm [.368 in] |
| | Length | 25.43 mm [1 in] |
| | Height | 21.6 mm [.85 in] |
| | | |
| Usage Conditions | Operating Temperature Range | -55 – 105 °C [-67 – 221 °F] |
| | | |
| Operation/Application | Assembly Integration Feature | Without |
| | Halogen Free | Yes |
| | For Use With | Receptacle Housing |
| | | |
| Industry Standards | UL Flammability Rating | UL 94V-0 |
| | CSA File Number | LR7189 |
| | VDE Tested | No |

| | |
|-----------------|-------------------|
| CSA Rating | Certified |
| UL Rating | Recognized |
| Agency/Standard | CSA, UL |
| UL File Number | E28476 |

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|--------------------|--------------------|-----------------------|
| Packaging Features | Packaging Quantity | 19 |
| | Packaging Method | Tube, Tube/Box |

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