



STANDARD RECTANGULAR CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

16-P POST HDR D-3100D VERT .38

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

178327-2

TE Internal Number: 178327-2

Always EU RoHS/ELV Compliant

Product Type **Connector**

Mating Alignment **With**

Mating Alignment Type **Polarization**

Mating Retention **With**

Mating Retention Type **Latch**

Product Drawings

[16 POS DOUBLE ROW VERTICAL HDR ASS'Y FOR DYNAMIC D-3100](#)

PDF (**TIFF AVAILABLE**)
English

[16 POS DOUBLE ROW VERTICAL HDR ASS'Y FOR DYNAMIC D-3100](#)

PDF (**TIFF AVAILABLE**)
English

CAD Files

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
3D

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
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

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	Standard
	Row-to-Row Spacing	5.08 mm [.2 in]
	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	16
	Number of Rows	2
	Preloaded	Yes
	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 Current Rating (A)	8
	Tail Plating Thickness	2 μm [78.74 μin]
	Multiple Contact Types	Without
	Contact Style	Straight
	Contact Type	Tab
	Tail Plating Material	Tin

	Termination Method to PC Board	Through Hole - Solder
Mechanical Attachment	Mating Alignment	With
	Mating Alignment Type	Polarization
	Mating Retention	With
	Mating Retention Type	Latch
	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]
	Height	21.6 mm [.85 in]
	Width	9.35 mm [.568 in]
	Length	40.67 mm [1.6 in]
Usage Conditions	Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
Operation/Application	For Use With	Receptacle Housing
	Assembly Integration Feature	Without
	Halogen Free	Yes
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

Packaging Features

Packaging Quantity

12

Packaging Method

Tube, Tube/Box

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)