



## STANDARD RECTANGULAR CONNECTORS



✓ Active

[↓](#) **PRODUCT DRAWING**  
English

[↓](#) **3D PDF**

TE CONNECTIVITY (TE)

### DYNAMIC 3100 HDR V 10P ASSY X

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

1-178318-3

TE Internal Number: 1-178318-3

[Always EU RoHS/ELV Compliant](#)

Product Type **Connector**

Mating Alignment **With**

Mating Alignment Type **Keyed**

Mating Retention **With**

Mating Retention Type **Latch**

#### Product Drawings

[10 Pos Single Row Vertical Hdr Assy For Dynamic D-3100](#)

PDF ([TIFF AVAILABLE](#))  
English

[10 Pos Single Row Vertical Hdr Assy For Dynamic D-3100](#)

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

#### 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	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	10
	Number of Rows	1
	Preloaded	Yes
	Keying	X
	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)	15
	Contact Style	Straight
	Contact Transmits (Typical)	Power, Signal (Data)
	Shunts/Shorting Bars	Without
	Contact Layout	Inline
	Tail Plating Thickness	2 um [ 78.74 um ]

	Termination Features	Termination Method to PC Board	Through Hole - Solder
	Multiple Contact Types		Without
	Contact Type		Tab
	Tail Plating Material		Tin
Mechanical Attachment	Mating Alignment		With
	Mating Alignment Type		Keyed
	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 ]
	Width		9.35 mm [ .368 in ]
	Length		48.29 mm [ 1.9 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**

Packaging Features

Packaging Quantity

**10**

Packaging Method

**Tube, Tube/Box**

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)