



## STANDARD RECTANGULAR CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
Japanese

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 3.81 DYNAMIC 8P D3100S

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

1-178317-5

TE Internal Number: 1-178317-5

Always EU RoHS/ELV Compliant

Product Type **Connector**

Mating Alignment **With**

Mating Alignment Type **Polarization**

Mating Retention **With**

Mating Retention Type **Latch**

#### Product Drawings

[8 POS SINGLE ROW VERTICAL HDR ASSY FOR DYNAMIC D-3100](#)

PDF  
**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**

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	Product Type	<b>Connector</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Sealed	<b>No</b>
	Connector System	<b>Wire-to-Board</b>
	Shielded	<b>No</b>
	Insertion Force	<b>Standard</b>
	Connector Style	<b>Plug</b>
	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
	Strain Relief	<b>Without</b>
	Series Number	<b>3000</b>
	Shrouded	<b>Yes</b>
	Connector Type	<b>Header</b>
	Applies To	<b>Printed Circuit Board</b>

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Configuration Features	Number of Positions	<b>8</b>
	Number of Rows	<b>1</b>
	Preloaded	<b>Yes</b>
	Selectively Loaded	<b>No</b>

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Electrical Characteristics	Operating Voltage	<b>250 VAC [ 250 VDC ]</b>
	UL Voltage Rating	<b>250 VAC [ 250 VDC ]</b>

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Body Features	Header Type	<b>Shrouded</b>
	Sealable	<b>No</b>

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Contact Features	Contact Plating Material	<b>Tin</b>
	Contact Current Rating (A)	<b>15</b>
	Tail Plating Thickness	<b>2 <math>\mu</math>m [ 78.74 <math>\mu</math>m ]</b>
	Multiple Contact Types	<b>Without</b>
	Contact Style	<b>Straight</b>
	Contact Type	<b>Tab</b>
	Tail Plating Material	<b>Tin</b>
	Contact Transmits (Typical)	<b>Power, Signal (Data)</b>
	Shunts/Shorting Bars	<b>Without</b>

	Contact Layout	<b>Inline</b>
Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Alignment Type	<b>Polarization</b>
	Mating Retention	<b>With</b>
	Mating Retention Type	<b>Latch</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Retention Leg</b>
	Contact Retention	<b>Without</b>
	PCB Mount Alignment	<b>Without</b>
	Lock Type	<b>Latch</b>
Housing Features	Centerline	<b>3.81 mm [ .149 in ]</b>
	Housing Material	<b>Polyester GF</b>
	Housing Color	<b>Black</b>
Dimensions	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Tail Length	<b>3.8 mm [ .149 in ]</b>
	Height	<b>21.6 mm [ .85 in ]</b>
	Width	<b>9.35 mm [ .368 in ]</b>
	Length	<b>40.67 mm [ 1.6 in ]</b>
Usage Conditions	Operating Temperature Range	<b>-55 – 105 °C [ -67 – 221 °F ]</b>
Operation/Application	For Use With	<b>Receptacle Housing</b>
	Assembly Integration Feature	<b>Without</b>
	Halogen Free	<b>Yes</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	CSA File Number	<b>LR7189</b>
	VDE Tested	<b>No</b>
	CSA Rating	<b>Certified</b>
	UL Rating	<b>Recognized</b>
	Agency/Standard	<b>CSA, UL</b>
	UL File Number	<b>E28476</b>

Packaging Features

Packaging Quantity

12

Packaging Method

Tube, Tube/Box

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

CRIMP QUICK DISCONNECTS	STANDARD RECTANGULAR CONNECTORS	STANDARD RECTANGULAR CONNECTORS	HEAT SHRINK TUBING
205 FASTON REC L/P 170180-2	DYNAMIC 3100 HDR ASSY 6P V K/X 1-178316-5	DYNAMIC 3100 HDR V 10P ASSY X 1-178318-5	V2-13.0-0-FSP-SM V2-13.0-0-FSP-SM
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