



STANDARD RECTANGULAR CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

DYNAMIC 3100 HDR V 6P ASSY

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

3-178141-5

TE Internal Number: 3-178141-5

Always EU RoHS/ELV Compliant

Product Type **Connector**

Mating Alignment **With**

Mating Alignment Type **Keyed**

Mating Retention **With**

Mating Retention Type **Latch**

Product Drawings

[DYNAMIC D-3100 3.81X7.62 PITCH \(V\) 6 POS. HDR CONN. ASS'Y](#)

PDF (**TIFF AVAILABLE**)
English

[DYNAMIC D-3100 3.81X7.62 PITCH \(V\) 6 POS. HDR CONN. ASS'Y](#)

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English

CAD Files

[3D PDF](#)

PDF
English

[Customer View Model](#)

2D_DXF.ZIP
English

[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	7.62 mm [.3 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	6
	Number of Rows	2
	Preloaded	Yes
	Keying	XY
	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	Tin
	Contact Current Rating (A)	9.5
	Contact Style	Straight
	Contact Transmits (Typical)	Power, Signal (Data)
	Shunts/Shorting Bars	Without
	Contact Layout	Matrix

	Contact Layout	
	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	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	16.97 mm [.668 in]
	Length	21.62 mm [.851 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	23
	Packaging Method	Tube, Tube/Box

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

STANDARD RECTANGULAR CONNECTORS	STANDARD RECTANGULAR CONNECTORS	CIRCUIT BREAKERS	STANDARD RECTANGULAR CONNECTORS
DYNAMIC 3500 HDR ASSY 12P V 316516-5	DYNAMIC D3200 HDR V ASSY 3P 2-178136-5	W54-XB1A4A10-25=CKTBKR, THERM, P W54-XB1A4A10-25	DYNAMIC D3200 HDR V ASSY 3P 1-178136-5
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