



CONNECTORS

STANDARD RECTANGULAR CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

DYNAMIC 3100 HDR H 6P ASSY

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

1-178137-5

TE Internal Number: 1-178137-5

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 3.81 X 7.62 PITCH \(H\) 6 POS. HDR CONN. ASS'Y \(KEY;XX,YY,XY\)](#)

PDF (**TIFF AVAILABLE**)
English

[DYNAMIC D-3100 3.81 X 7.62 PITCH \(H\) 6 POS. HDR CONN. ASS'Y \(KEY;XX,YY,XY\)](#)

PDF (**TIFF AVAILABLE**)
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

Product Specifications

Product Specification

[Dynamic Connector D-3000 Series](#)

TIF
Japanese

Qualification Test Report

[Dynamic Connector D-3000 Series](#)

PDF
Japanese
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

Right Angle

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

XX

Selectively Loaded

No

Electrical Characteristics

Operating Voltage

250 VAC [250 VDC]

Body Features

Header Type

Shrouded

Sealable	Sealable	No
Contact Features	Contact Plating Material	Tin
	Contact Current Rating (A)	8
	Tail Plating Thickness	2 μm [78.74 μin]
	Multiple Contact Types	Without
	Contact Style	Right Angle
	Contact Type	Tab
	Tail Plating Material	Tin
	Contact Transmits (Typical)	Power, Signal (Data)
	Shunts/Shorting Bars	Without
Contact Layout	Matrix	
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]
	Height	16.97 mm [.668 in]
	Width	25.91 mm [1.02 in]
	Length	21.62 mm [.851 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
	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	<p>Statement of Compliance PDF</p> <p>VIEW ALL PRODUCT COMPLIANCE</p>	

