

STANDARD RECTANGULAR CONNECTORS





PRODUCT DRAWING

♣ 3D PDF

TE CONNECTIVITY (TE)

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

Dynamic Series | Dynamic 3000 Series

178325-2

TE Internal Number: 178325-2

Always EU RoHS/ELV Compliant

Product Type Connector

Mating Alignment With

Mating Alignment Type Polarization

Mating Retention With

Mating Retention Type Latch

Product Drawings

10 POS DOUBLE ROW VERTICAL HDR ASS'Y FOR DYNAMIC D-3100

PDF (TIFF AVAILABLE)

Japanese

10 POS DOUBLE ROW VERTICAL HDR ASS'Y FOR DYNAMIC D-3100

PDF (TIFF AVAILABLE)

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

Japanese

Dynamic Connector D-3000 Series

PDF Japanese

PDF **English**

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	10
	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
	Jeurone	110
Contact Features	Contact Plating Material	Gold
	Contact Current Rating (A)	15
	Tail Plating Thickness	2 μm [78.74 μin]
	Multiple Contact Types	Without
	Contact Style	Straight

Mechanical Attachment Mating Alignment Type Polarization Mating Retention With Mating Retention Type Latch PCB Mount Retention Type Retention Leg Contact Retention Type Contact Retention PCB Mount Alignment Vithout PCB Mount Alignment Without Lock Type Latch Housing Features Centerline Housing Material Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Height 1.6 mm [.063 in] Tail Length 1.43 mm [.149 in] Width 14.43 mm [.568 in] Length Length 29.24 mm [1.15 in]		Contact Type	Tab
Shurts/Shorting Bars Contact Layout Matrix Termination Features Termination Method to PC Board Through Hole - Solder Through Hole - Solder Through Hole - Solder Through Hole - Solder Mitch Maing Alignment Mating Alignment Type Polarization Mating Retention With Maing Retention Type Latch PCB Mount Retention PCB Mount Retention Without PCB Mount Alignment Without Lock Type Latch Housing Features Centerline Jabi mm [.469 in] Housing Color Black Dimensions PCB Thickness (Recommended) Jab mm [.963 in] Tail Length Height Jah mm [.963 in] Length Length Jah mm [.568 in] Length Length Length PCP		Tail Plating Material	Tin
Termination Features Termination Method to PC Board Through Hole - Solder Through Hole - Solder Machanical Attachment Mating Alignment Mating Alignment Type Polarization Mating Retention Mating Retention Mating Retention Type PCB Mount Retention PCB Mount Retention PCB Mount Retention With PCB Mount Alignment Without Latch PCB Mount Alignment Without Latch Housing Features Centerline Jali Implication Polyester GF Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Jali Material Height Jali Mann I.568 in J Length Polyester GF Jength Polyester GF Recommended) Tail Length Jali Mann I.568 in J Length Polyester GF PCB Thickness (Recommended) Assembly Integration Feature Without Halogen Free Ves Industry Standards UL Plammability Reting UL 94V-0		Contact Transmits (Typical)	Power, Signal (Data)
Termination Features Termination Method to PC Board Through Hole - Solder Machanical Attachment Mating Alignment Type Mating Alignment Type Mating Alignment Type Mating Retention Mating Retention Type Latch PCB Mount Retention Type Contact Retention Type Retention Leg Contact Retention PCB Mount Alignment Without Lock Typo Latch Housing Features Centerline Jalimm [-149 in] Housing Material Polyester GF Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Jalimm [-149 in] Height Jalimm [-156 in] Length Polyester GF PCB Thickness (Recommended) Tail Length Salem [-149 in] Height Jalimm [-566 in] Length Poperation/Application For Use With Receptade Housing Masembly Integration Feature Halogen Free Ves		Shunts/Shorting Bars	Without
Mating Alignment Type Polarization Mating Alignment Type Polarization Mating Retention With Mating Retention With PCB Mount Retention Type Retention Leg Contact 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] Tall Length 3.8 mm [.149 in] Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length 29.24 mm [.115 in] Usage Conditions Operation/Application For Use With Receptacle Housing Assembly Integration Feature Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0		Contact Layout	Matrix
Mating Alignment Type Polarization Mating Alignment Type Polarization Mating Retention With Mating Retention With PCB Mount Retention Type Retention Leg Contact 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] Tall Length 3.8 mm [.149 in] Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length 29.24 mm [.115 in] Usage Conditions Operation/Application For Use With Receptacle Housing Assembly Integration Feature Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0			
Mating Alignment Type Polarization Mating Retention With Muting Retention Type Latch PCB Mount Retention Type Retention Leg Contact Retention Without PCB Mount Alignment 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 14.43 mm [.568 in] Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 – 105 °C [-67 – 221 °F] Operation/Application For Use With Receptable Housing Assembly Integration Feature Without Halogen Free Yes	Termination Features	Termination Method to PC Board	Through Hole - Solder
Mating Retention With Mating Retention Type Latch 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 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 14.43 mm [.568 in] Length 29.24 mm [.1.15 in] Usage Conditions Operating Temperature Range -55 – 105 °C [.47 – 221 °F] Operation/Application For Use Wifth Receptacle Housing Assembly Integration Feature Without Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0	Mechanical Attachment	Mating Alignment	With
Mating Retention Type PCB Mount Retention With PCB Mount Retention Type Contact Retention Type Retention Leg Contact Retention Without PCB Mount Alignment Without Lock Type Latch Housing Features Centerline Housing Material Housing Material Polyester GF Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Jash mm [.449 in] Height Length Jash mm [.449 in] Height Jash mm [.4568 in] Length Jasage Conditions Operating Temperature Range Tor Use With Assembly Integration Feature Halogen Free UL Flammability Rating UL 94V-0		Mating Alignment Type	Polarization
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PCB Mount Retention Type Contact Retention Without PCB Mount Alignment Without Lock Type Latch Housing Features Centerline Housing Material Housing Material Polyester GF Housing Color Black PCB Thickness (Recommended) Tail Length Height Height 11.6 mm [.063 in] Width 14.43 mm [.568 in] Length Poperation/Application Operation/Application For Use With Assembly Integration Feature Without Halogen Free Ves Industry Standards Without UL 94V-0		Mating Retention Type	Latch
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Lock Type Latch Housing Features Centerline Housing Material Housing Material Polyester GF Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Tail Length Height 21.6 mm [.063 in] Width 14.43 mm [.568 in] Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 – 105 °C [-67 – 221 °F] Operation/Application For Use With Receptacle Housing Assembly Integration Feature Halogen Free Yes		Contact Retention	Without
Housing Features Centerline Housing Material Housing Material Housing Color Black PCB Thickness (Recommended) Tail Length Height 21.6 mm [.063 in] Width 14.43 mm [.149 in] Width 14.43 mm [.568 in] Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 - 105 °C [-67 - 221 °F] Operation/Application For Use With Assembly Integration Feature Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0		PCB Mount Alignment	Without
Housing Material Housing Color Black 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 14.43 mm [.568 in] Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 - 105 °C [-67 - 221 °F] Operation/Application For Use With Assembly Integration Feature Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0		Lock Type	Latch
PCB Thickness (Recommended) 1.6 mm [.063 in] Tail Length 3.8 mm [.149 in] Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 - 105 °C [-67 - 221 °F] Operation/Application For Use With Assembly Integration Feature Halogen Free Without Halogen Free UL 94V-0	Housing Features	Centerline	3.81 mm [.149 in]
Dimensions PCB Thickness (Recommended) Tail Length 3.8 mm [.149 in] Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 - 105 °C [-67 - 221 °F] Operation/Application For Use With Assembly Integration Feature Without Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0		Housing Material	Polyester GF
Tail Length Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length Usage Conditions Operating Temperature Range -55 – 105 °C [-67 – 221 °F] Operation/Application For Use With Assembly Integration Feature Without Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0		Housing Color	Black
Height Width 14.43 mm [.568 in] Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 – 105 °C [-67 – 221 °F] Operation/Application For Use With Assembly Integration Feature Without Halogen Free Yes UL Flammability Rating UL 94V-0	Dimensions	PCB Thickness (Recommended)	1.6 mm [.063 in]
Width Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 - 105 °C [-67 - 221 °F] Operation/Application For Use With Assembly Integration Feature Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0		Tail Length	3.8 mm [.149 in]
Length 29.24 mm [1.15 in] Usage Conditions Operating Temperature Range -55 - 105 °C [-67 - 221 °F] Operation/Application For Use With Assembly Integration Feature Without Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0		Height	21.6 mm [.85 in]
Usage Conditions Operating Temperature Range -55 – 105 °C [-67 – 221 °F] Operation/Application For Use With Assembly Integration Feature Without Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0		Width	14.43 mm [.568 in]
Operation/Application For Use With Receptacle Housing Assembly Integration Feature Without Halogen Free Yes UL Flammability Rating UL 94V-0		Length	29.24 mm [1.15 in]
Assembly Integration Feature Halogen Free Yes UL Flammability Rating UL 94V-0	Usage Conditions	Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0	Operation/Application	For Use With	Receptacle Housing
Industry Standards UL Flammability Rating UL 94V-0		Assembly Integration Feature	Without
		Halogen Free	Yes
CSA File Number LR7189	Industry Standards	UL Flammability Rating	UL 94V-0
		CSA File Number	LR7189

VDE Tested No Certified **CSA Rating UL** Rating Recognized Agency/Standard CSA, UL UL File Number E28476 Packaging Features Packaging Quantity 17 Packaging Method Tube, Tube/Box **Product Compliance** Statement of Compliance

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