

STANDARD RECTANGULAR CONNECTORS





✓ Active



PRODUCT DRAWING



3D PDF

TE CONNECTIVITY (TE)

DYNAMIC D3 HDR ASSY V 20P

Dynamic Series | Dynamic 3000 Series

178328-5

TE Internal Number: 178328-5

Always EU RoHS/ELV Compliant

Product Type Connector

Mating Alignment With

Mating Alignment Type Polarization

Mating Retention With

Mating Retention Type Latch

Product Drawings

20 Pos Double Row Vertical Hdr Assy For Dynamic D-3100

PDF (TIFF AVAILABLE)

English

20 Pos Double Row Vertical Hdr Assy For Dynamic D-3100

PDF (TIFF AVAILABLE)

English

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

Qualification Test Report

Product Specification Dynamic Connector D-3000 Series

Japanese

Dynamic Connector D-3000 Series

PDF **Japanese**

DYNAMIC D-3000 SERIES CONNECTOR

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	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	20
	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
Contact Features	Contact Plating Material	Tin
	Contact Current Rating (A)	15
	Tail Plating Thickness	2 μm [78.74 μin]
	Multiple Contact Types	Without
	Contact Style	Straight
	Contact Type	Tab
	Tail Plating Material	Tin

Contact Transmits (Typical) Power, Signal (Data)

Shunts/Shorting Bars Without

Contact Layout Matrix

Mechanical Attachment Mating Alignment Mating Alignment Type Polarization Mating Retention Mating Retention Type Latch PCB Mount Retention Type Contact Retention PCB Mount Retention Type Retention Leg Contact Retention Without PCB Mount Alignment Without Lock Type Latch Housing Features Centerline Austing Material Polyester GF Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Retention Normal Shin] Height Length Height 14.43 mm [.568 in] Length Receptacle Housing Diperation/Application For Use With Receptacle Housing Without Halogen Free Without Halogen Free Without Halogen Free Without Halogen Free Without			
Mating Alignment Type Polarization Mating Retention With Mating Retention Type Latch PCB Mount Retention With 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] Tall Length 3.8 mm [.149 in] Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length 48.29 mm [1.9 in] Deparation/Application For Use With Receptacle Housing Assembly Integration Feature Without Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0 LR7189	Termination Features	Termination Method to PC Board	Through Hole - Solder
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] Tall Length 3.8 mm [.149 in] Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length 48.29 mm [1.9 in] Assee Conditions Operating Temperature Range -55 - 105 °C [-47 - 221 °F] Deparation/Application For Use With Receptacle Housing Assembly Integration Feature Without Halogen Free Yes Industry Standards UL Flammability Rating UL 94V-0 LR7189	Mechanical Attachment	Mating Alignment	With
Mating Retention Type PCB Mount Retention With PCB Mount Retention Without PCB Mount Alignment Without Lock Type Latch Housing Features Centerline Housing Material Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Height Length Housing Material PCB Thickness (Recommended) Tail Length Height Length Housing Material PCB Thickness (Recommended) Tail Length Height PCB Thickness (Recommended) To mm [.063 in] Tail Length Height PCB Thickness (Recommended) To mm [.85 in] Height PCB Thickness (Recommended) To mm [.85 in] Height PCB Thickness (Recommended) To mm [.95 in] Height PCB Thickness (Recommended) To mm [.95 in] Height PCB Thickness (Recommended) To mm [.95 in] Thickness (Recommended) Th		Mating Alignment Type	Polarization
PCB Mount Retention PCB Mount Retention Type Retention Leg Contact Retention Without PCB Mount Alignment Lock Type Latch Housing Features Centerline Housing Material Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Hoight Polyster GF Hoight Playship Hoight Playship Hoight Polyster GF Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length As mm [.469 in] Hoight Playship Hoight Polyster GF Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Tail Length To Use With To Use With PCB Thickness (Recommended) To Mann [.856 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] Tail Length To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Use With PCB Thickness (Recommended) To Mann [.568 in] To Mann		Mating Retention	With
PCB Mount Retention Type Contact Retention Without PCB Mount Alignment Without Lock Type Latch Housing Features Centerline Housing Material Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Height Height 21.6 mm [.49 in] Width 14.43 mm [.568 in] Length Assembly Integration Feature Without Halogen Free Yes Industry Standards UL Plammebility Rating CSA File Number Unifold Without Without LR7189		Mating Retention Type	Latch
Contact Retention PCB Mount Alignment Without Lock Type Latch Housing Features Centerline Housing Material Housing Material Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Height Width Height Width 14.43 mm [.568 in] Length 48.29 mm [1.9 in] Disperation/Application For Use With Receptacle Housing Assembly Integration Feature Halogen Free Ves UL Flammability Rating CSA File Number UL 94V-0 CSA File Number United Without Latch UL 94V-0 Latch Without Latch UL 94V-0 Latch Without Latch UL 94V-0 Latch Latch Without Latch UL 94V-0 Latch Latch Without Latch UL 94V-0 Latch Latch Without Latch Latch Without Latch Latch UL 94V-0 Latch Latch Without Latch Latch Without Latch Latch Latch Without Latch Latch Latch Without Latch Latch Latch Latch Latch Latch Without Latch Latch Latch Latch Latch Latch Latch Without Latch Latch		PCB Mount Retention	With
PCB Mount Alignment Lock Type Latch Housing Features Centerline Housing Material Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length 48.29 mm [1.9 in] Deparation/Application For Use With Assembly Integration Feature Halogen Free Number Housing Color Black UL 94V-0 LR7189		PCB Mount Retention Type	Retention Leg
Lock Type Latch Housing Features Centerline Housing Material Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length Height Height Height 21.6 mm [.958 in] Length 48.29 mm [1.9 in] Usage Conditions Coperation/Application For Use With Assembly Integration Feature Halogen Free Yes Industry Standards UL Planmability Rating CSA File Number LET189		Contact Retention	Without
Housing Features Centerline Housing Material Polyester GF Housing Color Black Dimensions PCB Thickness (Recommended) Tail Length 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 48.29 mm [1.9 in] Usage Conditions Operating Temperature Range For Use With Assembly Integration Feature Halogen Free Yes Industry Standards UL Planmability Rating UL 94V-0 CSA File Number LR7189		PCB Mount Alignment	Without
Housing Material Housing Color Black POlyester GF Black Dimensions PCB Thickness (Recommended) Tail Length 3.8 mm [.149 in] Height 21.6 mm [.85 in] Width 14.43 mm [.568 in] Length 48.29 mm [1.9 in] Disage Conditions Operating Temperature Range -55 – 105 °C [-67 – 221 °F] Disage Conditions Uperation/Application For Use With Assembly Integration Feature Halogen Free Without Halogen Free UL Plammability Rating UL 94V-0 LR7189		Lock Type	Latch
PCB Thickness (Recommended) Tail Length Height Viridth Length Viridth Length 48.29 mm [1.9 in] Departion/Application For Use With Assembly Integration Feature Halogen Free VES VIL Flammability Rating UL 94V-0 CSA File Number LR7189	Housing Features	Centerline	3.81 mm [.149 in]
PCB Thickness (Recommended) Tail Length Tail Length Height 21.6 mm [.063 in] Width 14.43 mm [.149 in] Width Length 48.29 mm [1.9 in] Departion/Application For Use With Assembly Integration Feature Halogen Free Yes UL Flammability Rating CSA File Number LR7189		Housing Material	Polyester GF
Tail Length Height 21.6 mm [.85 in] Width Length 48.29 mm [1.9 in] Usage Conditions Operating Temperature Range For Use With Assembly Integration Feature Without Halogen Free Yes UL Flammability Rating UL 94V-0 CSA File Number LR7189		Housing Color	Black
Height Width 14.43 mm [.568 in] Length 48.29 mm [1.9 in] Usage Conditions Operating Temperature Range Operation/Application For Use With Assembly Integration Feature Halogen Free Without Halogen Free Yes UL Flammability Rating UL 94V-0 CSA File Number LR7189	Dimensions	PCB Thickness (Recommended)	1.6 mm [.063 in]
Width Length 48.29 mm [1.9 in] Usage Conditions Operating Temperature Range -55 - 105 °C [-67 - 221 °F] Operation/Application For Use With Assembly Integration Feature Halogen Free Yes UL Flammability Rating CSA File Number LR7189		Tail Length	3.8 mm [.149 in]
Length 48.29 mm [1.9 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 94Y-0 CSA File Number LR7189		Height	21.6 mm [.85 in]
Usage Conditions Operating Temperature Range -55 – 105 °C [-67 – 221 °F] Poperation/Application For Use With Assembly Integration Feature Halogen Free Yes UL Flammability Rating UL 94V-0 CSA File Number LR7189		Width	14.43 mm [.568 in]
Departion/Application For Use With Assembly Integration Feature Halogen Free Yes Multiplication UL Flammability Rating UL 94V-0 CSA File Number LR7189		Length	48.29 mm [1.9 in]
Assembly Integration Feature Halogen Free Yes UL Flammability Rating CSA File Number LR7189	Usage Conditions	Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
Halogen Free Yes The second s	Operation/Application	For Use With	Receptacle Housing
ndustry Standards UL Flammability Rating UL 94V-0 CSA File Number LR7189		Assembly Integration Feature	Without
CSA File Number LR7189		Halogen Free	Yes
	Industry Standards	UL Flammability Rating	UL 94V-0
VDE Tested No		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	

VIEW ALL PRODUCT COMPLIANCE

CUSTOMERS ALSO BOUGHT

