

## STANDARD RECTANGULAR CONNECTORS



✓ Active



TE CONNECTIVITY (TE) DYNAMIC 3100 HDR ASSY 16P Dynamic Series | Dynamic 3000 Series

**178307-3** TE Internal Number: 178307-3

Always EU RoHS/ELV Compliant

Product Type **Connector** Mating Alignment **With** Mating Alignment Type **Polarization** Mating Retention **With** Mating Retention Type **Latch** 

Product Drawings	16 POS DOUBLE ROW HORIZONTAL HDR ASSY FOR DYNAMIC 3100 <sup>PDF</sup> English
CAD Files	3D PDF PDF 3D
	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

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	Connector
	PCB Mounting Orientation	Right Angle
	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	16
	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	Gold
	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 Javout	Matrix

Contact Layout

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lechanical Attachment Mating Alignment Type Polarization Mating Alignment Type Polarization Mating Retention Type Latch FCB Mount Retention Type Retention Leg Contact Retention Type Retention Leg Contact Retention Type Contact Retention Contact Retention Contact Retention Contact Retention Type Latch FCB Mount Alignment Uthout Lock Type Latch Contact Retention Specific Contact Retention Contact Retention Contact Retention Contact Retention Specific Contact Retention Specific Contact Retention Contact Retention Specific Contact Retention Contact Retention Contact Retention Contact Retention Contact Retention Specific Contact Retention			
Mating Adjunnent Type Polarization Mating Returnion Type Latch Mating Returnion Type Latch PCB Mount Returnion Type Retention Leg Contact Returnion PCB Mount Returnion PCB Mount Adjunnent PCB Mount Adjunnent Latch Type Latch Polyester GF Black Musing Color Mating Material Housing Color PCB Thickness (Recommended) PCB T	ermination Features	Termination Method to PC Board	Through Hole - Solder
Maing Returnion With Maing Returnion Type Latch PCB Mount Retention Type Retention Lag Contact Retention Type Retention Lag Contact Retention Type Latch PCB Mount Algoment Without Lock Type Latch Dousing Features Canterline Algoment Basek Dousing Features Canterline Algoment Basek Dousing Features Canterline Algoment Salt mm [.149 in] Housing Material POlyester CF Housing Color Basek Dimensions PCB Thickness (Recommended) 1.4 mm [.063 in ] Tail Length Basek Dimensions PCB Thickness (Recommended) 1.4 mm [.063 in ] Tail Length Basek Dimensions PCB Thickness (Recommended) 5.5 - 105 °C [07 - 221 °F] Dimensions PCB Thickness (Recommended) 5.5 - 105 °C [07 - 221 °F] Ease Conditions Operating Temperature Range 5.5 - 105 °C [07 - 221 °F] peration/Application Feature Marge IL 94V-0 Ausembly Integration Feature Vithout Halgen Free IL 94V-0 CSA File Number Lag CSA File Number Lag CSA File Number IL 740 CSA File Number CAS File CSA Rating Cost IL Retried Recognized UL Rating Recognized CSA VLL	Mechanical Attachment	Mating Alignment	With
LatchLatchPCB Mount Retention TypeRetention LegPCB Mount Retention TypeRetention LegContext RetentionWithoutPCB Mount AlgomentWithoutPCB Mount AlgomentSalt mp [.492n]Doubing FeaturesCenterlineContext RetentionSalt mp [.492n]Doubing FeaturesCenterlinePCB Thickness (Recommended)1.4 mm [.003in]Intergib1.4 mm [.003in]Housing ColorSalt mp [.402in]Intergib1.4 amm [.402in]Height1.4 amm [.402in]Height1.4 amm [.402in]Height1.4 amm [.402in]LangthBackSalt of Context Retention FeatureSolt of Cleot - 221*F]Autor Salt of Cleot FreeSolt of Cleot - 221*F]Autor Salt of Cleot Fre		Mating Alignment Type	Polarization
PCB Mourt Retention TypeWithPCB Mourt Retention TypeRetention LegContact RetentionWithoutPCB Mount AlignmentWithoutLock TypeLatchousing FeaturesCenterlineMousing MaterialPolysetr OFHousing ColorBlackImmensionsPCB Thickness (Recommended)Mithout1.6 mm[.063 in]Tal Length3.8 mm[.149 in]Height1.4.3 mm[.1569 in]Height1.4.3 mm[.1569 in]Length25.91 mm[1.02 in]Length25.91 mm[1.02 in]LengthS.91 mm[1.02 in]LengthCenterlineVicithCenterlineLongthCenterlineVicithCenterlineLongth FreeVicithoutVicitoutLengthVicit StandardsU. ParvaoUL Flarmability RetingU. ParvaoVicit FieldNeCSA RatingCertifiedUL RatingCertifiedLingthCertifiedLingthCertifiedLingthCertifiedLingthCertifiedLingthCertifiedLingthCertifiedLingthCertifiedLingthCertifiedLingthCertifiedLingthCertified <td>Mating Retention</td> <td>With</td>		Mating Retention	With
PCB Mount Retention Type       Retention Leg         Contact Retention       Without         PCB Mount Alignment       Without         Lock Type       Latch         cousing Features       Centerline       Alignment         Housing Material       Polyster GF         Housing Color       Black         immensions       PCB Thickness (Recommended)       1.4mm[.063 in]         Tail Length       3.8mm[.149 in]         Height       14.43mm[.568 in]         Width       25.91 mm[.1.02 in]         Length       26.91 mm[.1.02 in]         asage Conditions       Operating Temperature Range       S5.91 mm[.1.02 in]         asage Conditions       Operating Temperature Range       Vithout         Halgern Free       Without       S5.91 mm[.1.02 in]         dustry Standards       UL Flammability Rating       UL S4V-0         Kithout       Langen       Yes         UL Flammability Rating       UL S4V-0       UL S4V-0         VDE Tested       No       UL S4V-0         UL Rating       Certified       UL Rating         UL Rating       Certified       UL Rating         UL Rating       Certified       Certified         UL Rating       C		Mating Retention Type	Latch
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PCB Mount Alignment       Without         Lock Type       Lath         ousing Features       Centerline       381 mm [-149 in]         Housing Material       Polyester GF         Housing Color       Black         imensions       PCB Thickness (Recommended)       1.6 mm [-063 in]         Tail Length       3.8 mm [.149 in]         Height       14.43 mm [-568 in]         Width       2.5 91 mm [1.02 in]         Length       40.67 mm [1.61 in]         sage Conditions       Operating Temperature Range       55 - 105 °C [-67 - 221 °F]         peration/Application       For Use With       Receptacle Housing         Assembly Integration Feature       Without       Without         Holgoen Free       Yes       Yes         dustry Standards       UL Flammability Rating       L94V-0         KEA File Number       L87189       L94V-0         CSA Rating       UL Parue       No         UL Rating       CSA Rating       Lexting         UL Rating       Gesoptized       Ageory/Standard		PCB Mount Retention Type	Retention Leg
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Housing ColorBlackimmasionsPCB Thickness (Recommended)1.6mm [.063 in ]Tail Length3.8mm [.149 in ]Height14.43 mm [.568 in ]Width25.91 mm [.102 in ]Length0.67 mm [.16 in ]agee ConditionsOperating Temperature Range55-105 °C [-67 - 221 °F ]paration/ApplicationFor Use With Assembly Integration Feature Halogen FreeReceptacle Housing Withoutdustry StandardsUL Flammability Rating CSA File NumberUL 94V-0UL Flammability Rating (DE TestedR7199VDE Tested (SA RatingNoUL Rating (Agency/Standard)CertifiedMateria (DE RatingRecognizedMateria (DE TestedNoMateria (CSA RatingCertifiedMateria (DE RatingRecognizedMateria (DE TestedNoMateria (DE TestedNoM	Housing Features	Centerline	3.81 mm [ .149 in ]
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Length       40.67 mm[1.6 in]         sage Conditions       Operating Temperature Range       -55 - 105 °C [-67 - 221 °F]         peration/Application       For Use With       Receptacle Housing         Assembly Integration Feature       Without         Halogen Free       Yes         dustry Standards       UL Flammability Rating       UL 94V-0         CSA File Number       LR7189         VDE Tested       No         UL Rating       CSA Rating         UL Rating       Certified         Magency/Standard       CsA, Jul		Height	14.43 mm [ .568 in ]
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CSA File NumberLR7189VDE TestedNoCSA RatingCertifiedUL RatingRecognizedAgency/StandardCSA, UL		Halogen Free	Yes
VDE TestedNoCSA RatingCertifiedUL RatingRecognizedAgency/StandardCSA, UL	Industry Standards	UL Flammability Rating	UL 94V-0
CSA RatingCertifiedUL RatingRecognizedAgency/StandardCSA, UL		CSA File Number	LR7189
UL Rating Recognized Agency/Standard CSA, UL		VDE Tested	No
Agency/Standard CSA, UL		CSA Rating	Certified
		UL Rating	Recognized
UL File Number <b>E28476</b>		Agency/Standard	CSA, UL
		UL File Number	E28476

Packaging Features

Packaging Quantity

12

Packaging Method

Tube, Tube/Box

Product Compliance

Statement of Compliance PDF

VIEW ALL PRODUCT COMPLIANCE