



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

GRACE INERTIA CONNECTOR 7.92 2POS_HEADER

[Grace Inertia](#) | [Grace Inertia](#)

1747052-1

TE Internal Number: 1747052-1

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **10**

Active

PRODUCT DRAWING
Japanese

3D PDF

Product Drawings

[GRACE INERTIA CONNECTOR 7.92MM PITCH HEADER ASSEMBLY 2P](#)

PDF (TIFF AVAILABLE)
Japanese

[GRACE INERTIA CONNECTOR 7.92MM PITCH HEADER ASSEMBLY 2P](#)

PDF (TIFF AVAILABLE)
Japanese

CAD Files

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
3D

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

Product Specifications

Product Specification

[GRACE INERTIA CONNECTOR 6.5/7.92MM PITCH](#)

TIF
Japanese

[GRACE INERTIA CONNECTOR 6.5/7.92MM PITCH](#)

PDF
Japanese

Application Specification

[5.0 POWER KEY CONNECTOR](#)

PDF
Japanese

[5.0 POWER KEY CONNECTOR](#)

TIF
Japanese

Product Environmental Compliance

TE Material Declaration

[MD_1747052-1_01182016031_dmtec](#)

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	Header
	Housing Type	Plug
	Contact Type	Tab
Configuration Features	Number of Positions	2
	Centerline	7.92 mm [.312 in]
	PCB Mounting Orientation	Vertical
	Number of Rows	1
	Contact Layout	Inline
	Keying	A
Electrical Characteristics	Contact Current Rating (A)	10
	Operating Voltage (VAC)	300
	Operating Voltage (VDC)	300
Contact Features	Contact Retention	Without
	Contact Termination Area Plating Material	Tin
	Contact Mating Area Plating Material	Tin
	Contact Mating Area Plating Thickness	1 μm [39.37 μm]
	Contact Base Material	Copper Alloy
	Tab Width	1.5 mm [.059 in]
	Underplate Material Thickness	.8 – 3 μm [31.496 – 118.11 μm]
	Contact Termination Area Plating Thickness	.8 μm [31.496 μm]
	Underplate Material	Nickel
Termination Features	Wire/Cable Size (AWG)	24 – 16
	Wire/Cable Size (mm ²)	4.016 – 25.67
	Termination Method to Wire/Cable	Solder
	Termination Method to PC Board	Through Hole - Solder
	Termination Post/Tail Length	4.4 mm [.173 in]
Mechanical Attachment	Mating Alignment	With

Mating Retention	With
PCB Mount Retention	With
PCB Mount Retention Type	Kinked
Mating Alignment Type	Keyed
PCB Mount Alignment	Without
Mating Retention Type	Latch
Panel Mount Retention	Without
Strain Relief	Without

Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	Natural
	Housing Material	Nylon

Dimensions	Height	14.5 mm [.57 in]
	PCB Thickness (Recommended)	1.6 mm [.063 in]
	Length	14.97 mm [.589 in]

Usage Conditions	Sealed Condition	Not Sealed
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Operation/Application	Connector System	Wire-to-Board
	Applies To	Printed Circuit Board
	Operating Temperature	-30 – 105 °C [-22 – 221 °F]
	Circuit Application	Power

Industry Standards	Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features	Packaging Method	Bag
	Packaging Quantity	250

Other	Backwall/Post Interruptions	Without
	For Use With	Plug Housing

Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p>  <p>MINI CT SGL DIP V 10P NAT 1-292207-0</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>5MM B-T-W Conn. 3P HDR ASSEMBL 2-1376383-3</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>AMP POWER D/LOCK T/HDR ASSY 3P 179846-1</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>5mm B-T-W Conn. 3P HDR ASSEMBL 1-1376383-2</p> <p>Save to List Find Similar Products</p>
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Products - 1 Results

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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Power Connectors Grace Inertia Grace Inertia</p> <p>GRACE INERTIA CONNECTOR 7.92 2POS PLUG H - 1747050-1 TE INTERNAL NUMBER: 1747050-1</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Product Type Housing</p> <p>Housing Type Plug</p> <p>Connector System Wire-to-Wire</p> <p>Applies To Wire/Cable</p> <p>Number of Positions 2</p>
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