

1-2013924-1 ✓ ACTIVE



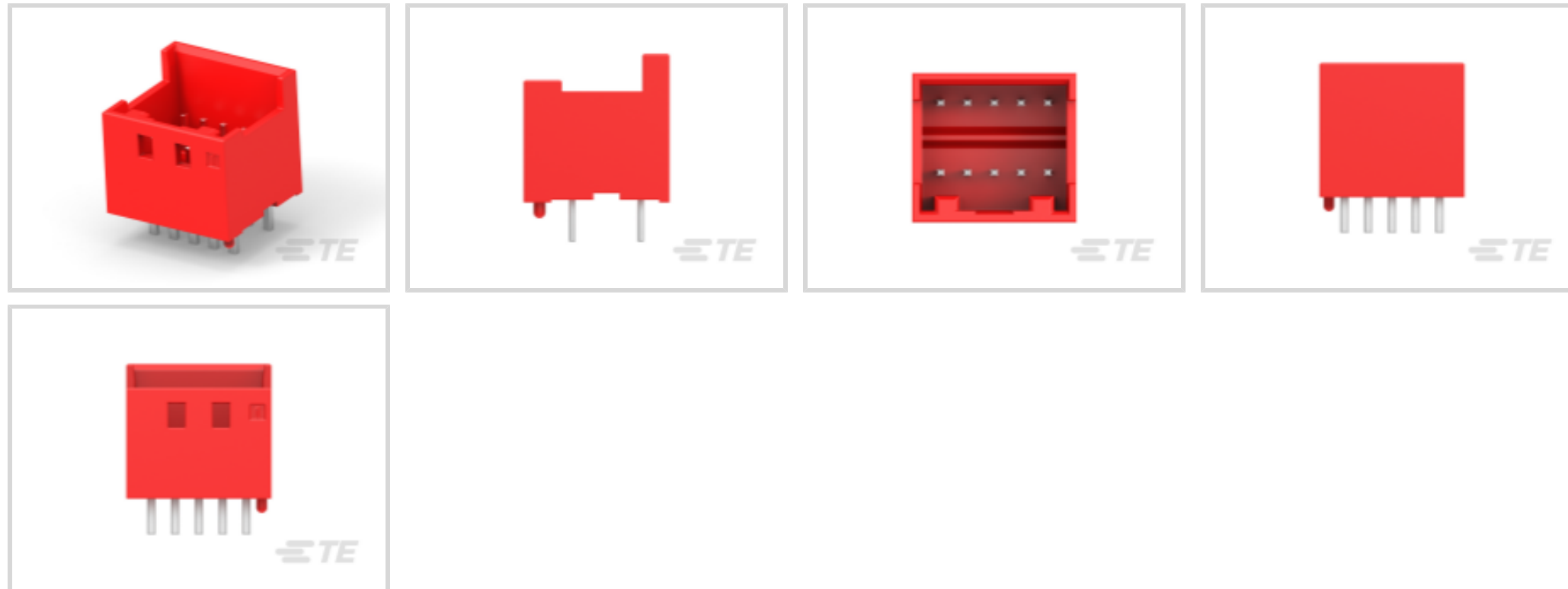
GRACE INERTIA 2.0

TE Internal #: 1-2013924-1

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, GRACE INERTIA 2.0

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**

Number of Positions: **10**

Number of Rows: **2**

Centerline (Pitch): **2 mm [.079 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Positions	10
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC
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Body Features

Primary Product Color	Red
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Contact Features

PCB Contact Termination Area Plating Material Thickness	1 μm [39.37 μin]
Contact Layout	Inline
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Underplating Material Thickness	1.27 μm [50 μin]
Contact Mating Area Plating Material Thickness	1 μm [39.37 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	2.5 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
Mating Retention	With
PCB Mount Retention Type	Kinked
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Housing Material	Nylon 6/6 GF
Centerline (Pitch)	2 mm[.079 in]



Dimensions

Connector Length	12 mm[.47 in]
Connector Height	11.3 mm[.44 in]
Connector Width	10.9 mm[.43 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Row-to-Row Spacing	5.2 mm[.205 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent



chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 1827229-6
GIC 2.0 HDR ASSY 20P



TE Part # 1971032-1
10POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part # 1747070-1
GRACE INERTIA CONN 2.0 HDR ASSY 10P NATU



TE Part # 1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part # 1-1747070-1
GRACE INERTIA ONN 2.0 HDR ASSY 10P RED



TE Part # 2-1747070-1
GRACE INERTIA CONN 2.0 HDR ASSY 10P BLUE



TE Part # 2-2013924-1
GIC 2.0 HDR ASSY 10P TIN VERTION (BLUE)



TE Part # 2013924-1
GIC 2.0 HDR ASSY 10POS TIN VERTION (NAT)




TE Part # 3-1747070-1
GRACE INERTIA CONN 2.0 HDR ASSY 10P YELL



TE Part # 3-2013924-1
GIC 2.0 HDR ASSY 10P TIN VERTION YELLOW


Also in the Series | GRACE INERTIA 2.0




Connector Contacts(3)



PCB Headers & Receptacles(70)



Rectangular Connector Housings(20)

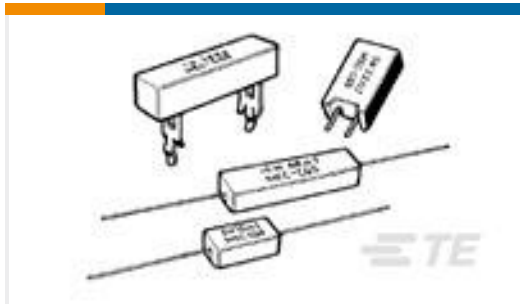


Standard Rectangular Connectors(18)



Wire-to-Board Connector Assemblies & Housings(1)

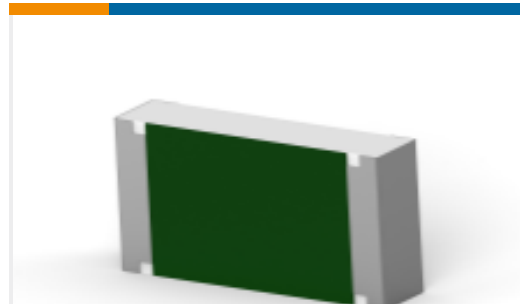
Customers Also Bought



TE Part #2-1623795-3
SQP2 R047 5% WIRE



TE Part #1-1630019-4
HSC200 2K4 5%



TE Part #9-2176397-4
3502 7K5 1%



TE Part #1-1969694-4
PTL 1X4 PCB HEADER R/A HITEMP
KEY A LGR



TE Part #YD369-B99-AP400000
Rectangular Connectors: 9-Way Panel
Mount, 90PCB



TE Part #YDTS24T15-18PNV001
RECP ASSY



TE Part #YDTS24T21-35SNV001
RECP ASSY

Documents

Product Drawings

[GIC 2.0 HDR ASSY 10POS TIN VERTION \(RED\)](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2013924-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2013924-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2013924-1_B.3d_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

Japanese