



GRACE INERTIA 2.0

TE Internal #: 4-2232829-7
PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin, Surface Mount, Signal, Black, GRACE INERTIA 2.0

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **7**
Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	50 VDC
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Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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Industry Standards

Compatible With Agency/Standards Products	VDE
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0

Body Features

Connector & Keying Code	B
Connector Profile	Standard
Primary Product Color	Black

Operation/Application

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Shielded	No
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Circuit Application	Signal
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Mechanical Attachment

Mating Retention	With
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PCB Mount Retention Type	Kinked Legs
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Mating Alignment Type	Keyed
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PCB Mount Retention	With
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
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Termination Method to PCB	Surface Mount
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Contact Features

PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Finish	Bright
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Contact Mating Area Plating Material Thickness	2 μm[80 μin]
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Mating Square Post Dimension	.5 mm[.02 in]
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Contact Mating Area Plating Material	Tin
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Contact Type	Pin
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Contact Current Rating (Max)	2 A
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Housing Features

Housing Material	Polyamide - GF
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Centerline (Pitch)	2 mm[.079 in]
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Product Type Features

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

PCB Mount Orientation	Vertical
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Number of Positions	7
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Number of Rows	1
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Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Packaging Features

Packaging Method	Tape & Reel
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	Not reviewed for solder process capability

Product Compliance Disclaimer

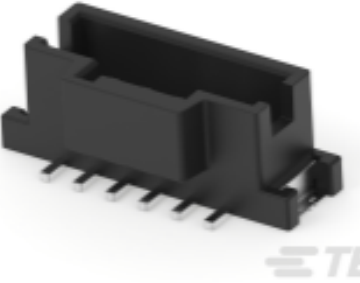
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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





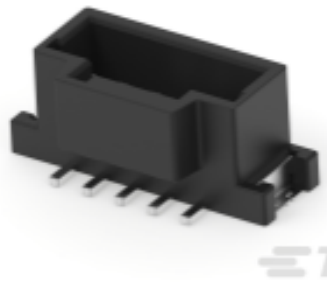
TE Part # 4-2232829-9
SGI2.0 HEADER ASSEMBLY SMT 9P,
KEY B,BLK



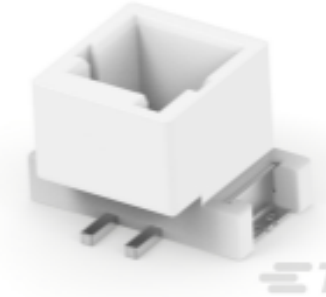
TE Part # 4-2232829-6
SGI2.0 HEADER ASSEMBLY SMT 6P,
KEY B,BLK



TE Part # 5-2232829-0
SGI2.0 HEADER ASSEMBLY SMT 10P,
KEY B,BLK



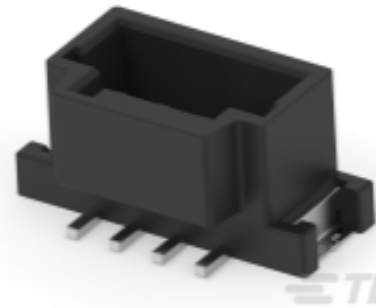
TE Part # 4-2232829-5
SGI2.0 HEADER ASSEMBLY SMT 5P,
KEY B,BLK



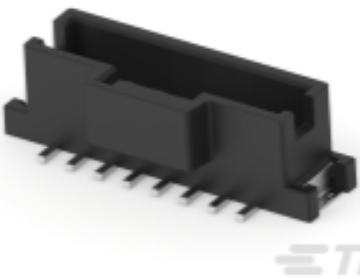
TE Part # 1-2232829-2
SGI2.0 HEADER ASSEMBLY SMT 2P,
KEY A,NTL



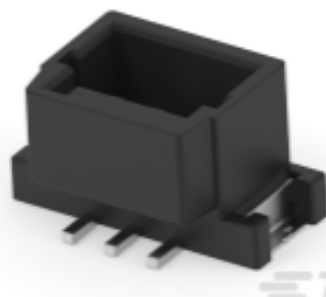
TE Part # 4-2232829-2
SGI2.0 HEADER ASSEMBLY SMT 2P,
KEY B,BLK



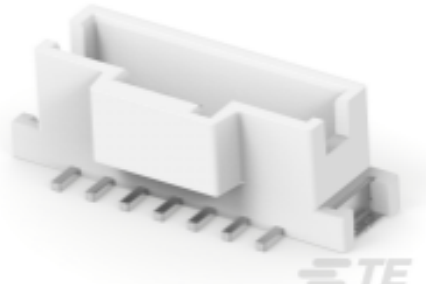
TE Part # 4-2232829-4
SGI2.0 HEADER ASSEMBLY SMT 4P,
KEY B,BLK



TE Part # 4-2232829-8
SGI2.0 HEADER ASSEMBLY SMT 8P,
KEY B,BLK



TE Part # 4-2232829-3
SGI2.0 HEADER ASSEMBLY SMT 3P,
KEY B,BLK

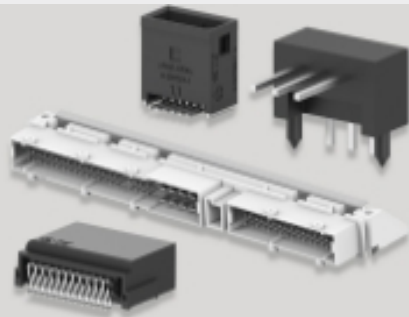


TE Part # 1-2232829-7
SGI2.0 HEADER ASSEMBLY SMT 7P,
KEY A,NTL

Also in the Series | GRACE INERTIA 2.0



Connector Contacts(4)



PCB Headers & Receptacles(70)



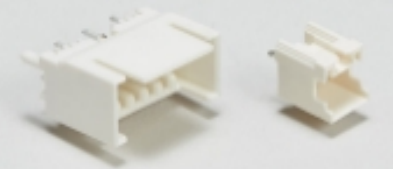
Rectangular Connector Housings(20)



Standard Rectangular Connectors(18)



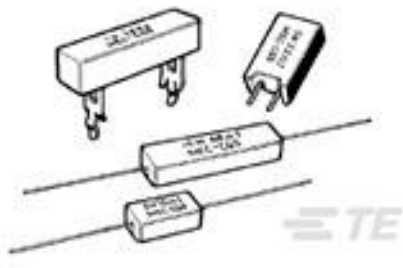
Wire-to-Board Connector Assemblies
& Housings(1)



Wire-to-Board Headers & Receptacles
(70)

Customers Also Bought

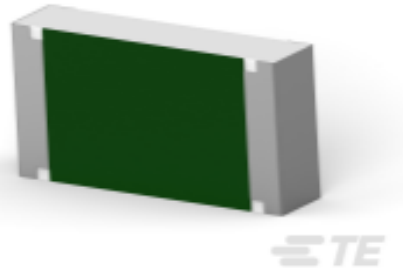




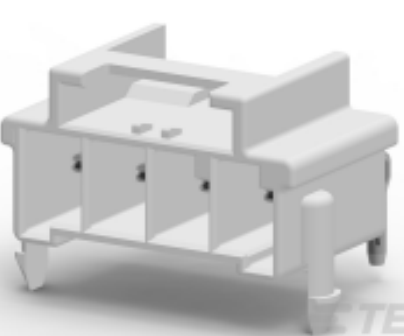
TE Part #2-1623795-3
SQP2 R047 5% WIRE



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
369 9 WAY PANEL MNT REC, 90 PCB
GOLD,PIN



TE Part #YD369-B99-NP400000
369 9 WAY PANEL MNT REC, 90 PCB
GOLD,PIN



TE Part #YD369-B99-NS400000
369 9 WAY PANEL MNT REC, 90 PCB
GOLD,SKT



TE Part #YDTS24T15-18PNV001
RECP ASSY



TE Part #YDTS24T21-35SNV001
RECP ASSY

Documents

Product Drawings

SGI2.0 HEADER ASSEMBLY SMT 7P,KEY B,BLK

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-2232829-7_A1.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2232829-7_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2232829-7_A1.3d_igs.zip

English

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Product Specifications



Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English