4-2232829-2 ✔ ACTIVE

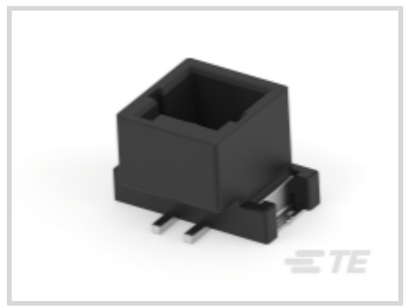
GRACE INERTIA 2.0

TE Internal #: 4-2232829-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin, Surface Mount, Signal, Black, GRACE INERTIA 2.0

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

Number of Positions: **2**

Number of Rows: **1**

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	2
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Connector Profile	Standard
Connector & Keying Code	B

Primary Product Color	Black

Contact Features

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

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

Glow Wire Rating	Glow Wire

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

Packaging Features

Packaging Method	Tape & Reel

Product Compliance

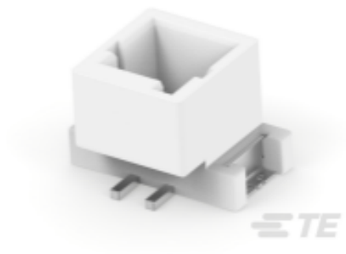
For compliance documentation, visit the product page on TE.com>

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

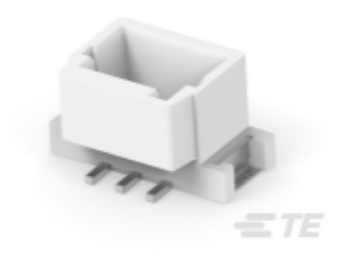
Product Compliance Disclaimer

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

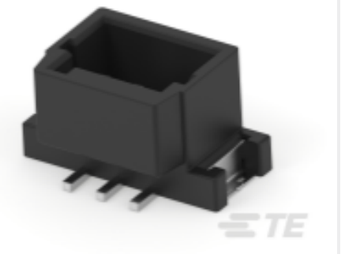
Compatible Parts



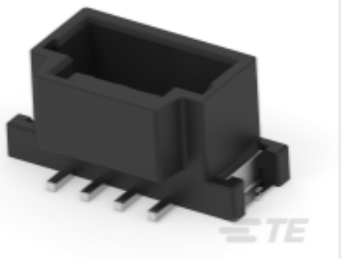
TE Part # 1-2232829-2
SGI2.0 HEADER ASSEMBLY SMT 2P, KEY A,NTL



TE Part # 1-2232829-3
SGI2.0 HEADER ASSEMBLY SMT 3P, KEY A,NTL



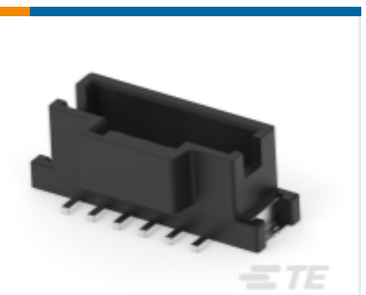
TE Part # 4-2232829-3
SGI2.0 HEADER ASSEMBLY SMT 3P, KEY B,BLK



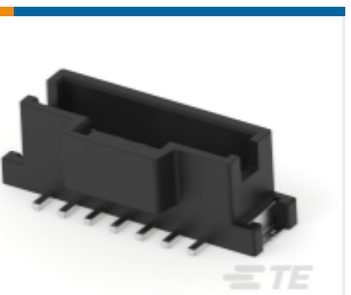
TE Part # 4-2232829-4
SGI2.0 HEADER ASSEMBLY SMT 4P, KEY B,BLK



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



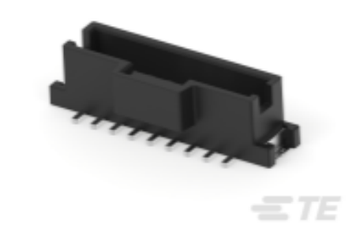
TE Part # 4-2232829-6
SGI2.0 HEADER ASSEMBLY SMT 6P, KEY B,BLK



TE Part # 4-2232829-7
SGI2.0 HEADER ASSEMBLY SMT 7P, KEY B,BLK



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

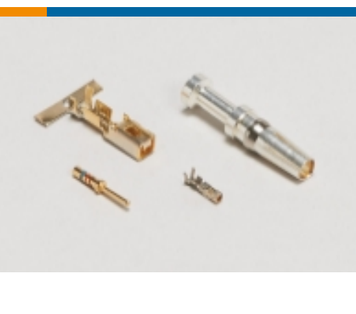


TE Part # 4-2232829-9
SGI2.0 HEADER ASSEMBLY SMT 9P, KEY B,BLK

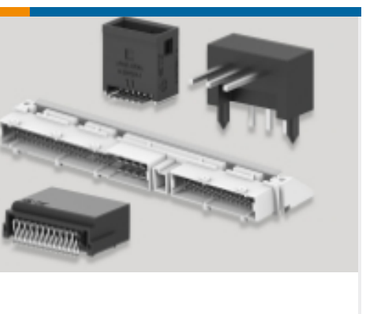


TE Part # 5-2232829-0
SGI2.0 HEADER ASSEMBLY SMT 10P, KEY B,BLK

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 # DT04-2P
REC, 2P, GRY, N



TE Part # W2S
Wedgelocks: DEUTSCH DT



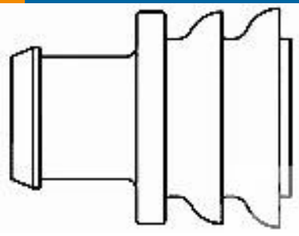
TE Part # 0460-202-16141
DEUTSCH Solid Contacts



TE Part # 282104-1
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part # DT06-2S
PLG, 2P, GRY, N



TE Part # 281934-2
SINGLE WIRE SEAL



TE Part # 114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

SGI2.0 HEADER ASSEMBLY SMT 2P,KEY B,BLK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2232829-2_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2232829-2_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_4-2232829-2_A1.2d_dxf.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English