4-2232979-7 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 2.0

TE Internal #: 4-2232979-7

7 Position, Plug, Connector Assembly, Insulation Displacement (IDC), Wire-to-Board, Tin (Sn), Normal, UL 94V-0, GRACE INERTIA 2.0

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Connector Assembly**

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Connector & Housing Type: **Plug**

Mating Retention Type: **Locking Latch**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Insertion Force Type	Normal
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Contacts Preloaded	Yes
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Connector & Keying Code	B

Primary Product Color	Black

Contact Features

Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Retention Within Housing	With
Contact Current Rating (Max)	2 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Keyed
Mating Retention Type	Locking Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0

Product Compliance

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

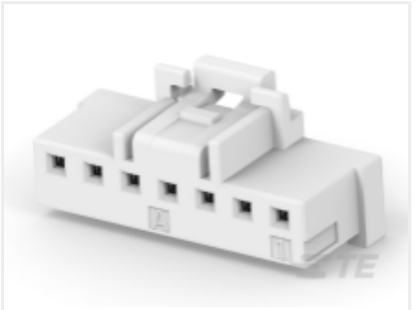
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	

	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1-2232979-7
SGI2.0 PLUG ASSEMBLY 7P, KEY A, NTL



TE Part # 5-2232979-0
SGI2.0 PLUG ASSEMBLY 10P, KEY B, BLK



TE Part # 1-2232979-2
SGI2.0 PLUG ASSEMBLY 2P, KEY A, NTL



TE Part # 4-2232979-3
SGI2.0 PLUG ASSEMBLY 3P, KEY B,BLK



TE Part # 4-2336678-7
SGI2.0 RA SMT HDR ASSY 7P,key B, BLK



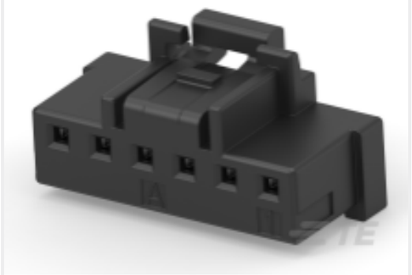
TE Part # 4-2232979-9
SGI2.0 PLUG ASSEMBLY 9P, KEY B,BLK



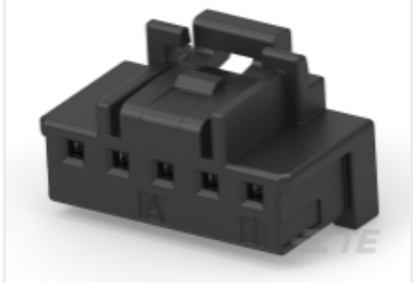
TE Part # 4-2232979-2
SGI2.0 PLUG ASSEMBLY 2P, KEY B,BLK



TE Part # 4-2232979-4
SGI2.0 PLUG ASSEMBLY 4P, KEY B,BLK



TE Part # 4-2232979-6
SGI2.0 PLUG ASSEMBLY 6P, KEY B,BLK



TE Part # 4-2232979-5
SGI2.0 PLUG ASSEMBLY 5P, KEY B,BLK

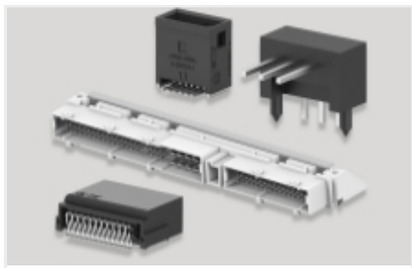
Also in the Series | GRACE INERTIA 2.0



Connector Contacts(6)



Connector Hardware(9)



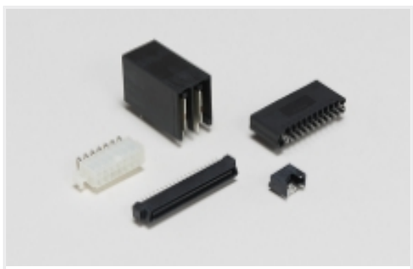
PCB Headers & Receptacles(70)



Rectangular Connector Housings(22)



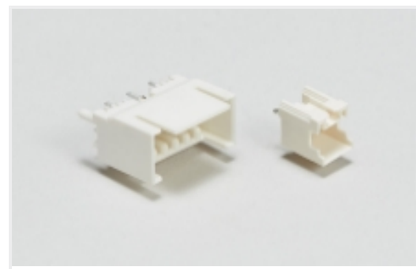
Rectangular Power Connectors(1)



Standard Rectangular Connectors(40)



Wire-to-Board Connector Assemblies & Housings(40)



Wire-to-Board Headers & Receptacles (70)

Customers Also Bought



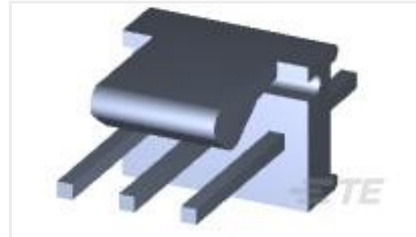
TE Part #42428-5
PIN TERMINAL RECEPTACLE 24-20 AWG TPPHBZ



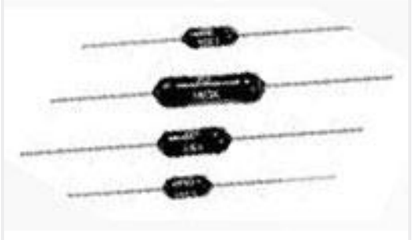
TE Part #7-188275-8
MICRO-MATCH SMD FTE



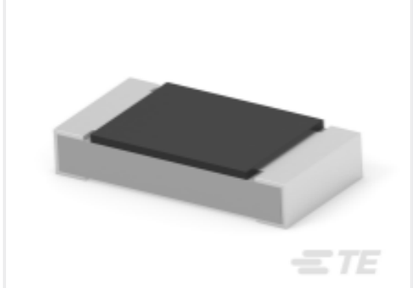
TE Part #CAT-M5833-M2934A
Male-on-Wire Connector, Micro-MaTch



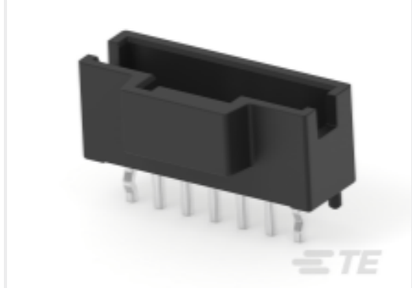
TE Part #640456-3
03P MTA100 HDR ASSY F/L SQ STR



TE Part #1-1879643-6
H8 30K 0.5% 50PPM



TE Part #4-2176577-4
RLC73K 2B R158 1% 5K RL



TE Part #4-2232826-7
SGI2.0 header assembly TH 7P,key B, BLK



TE Part #5-2232979-0
SGI2.0 PLUG ASSEMBLY 10P, KEY B, BLK



TE Part #5555167-1
MJ,LPF,R/A,8P/8C,KEYED,BULK P

Documents

Product Drawings

SGI2.0 PLUG ASSEMBLY 7P, KEY B,BLK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2232979-7_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2232979-7_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2232979-7_B.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English