



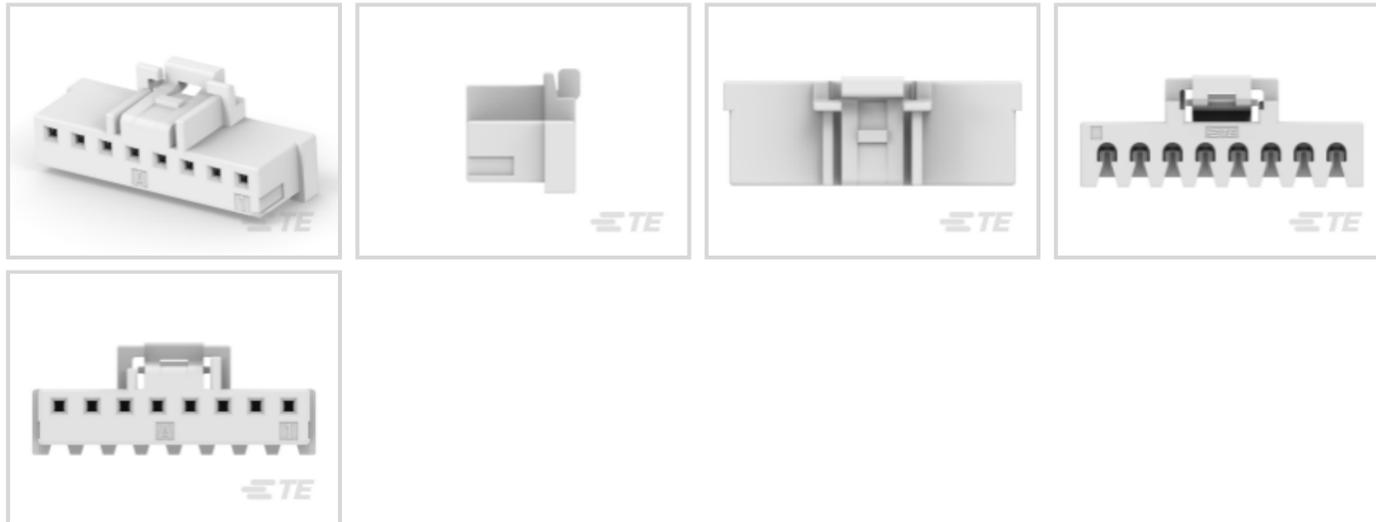
**GRACE INERTIA 2.0**

TE Internal #: 1-2232979-8

Standard Rectangular Connectors, Connector Assembly, Plug, Mating Alignment, Keyed Mating Alignment Type, Mating Retention, GRACE INERTIA 2.0

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Plug**

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Mating Retention: **With**

**Features**

**Product Type Features**

Glow Wire Rating	Glow Wire
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**

Keying	A
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

**Electrical Characteristics**

Operating Voltage	50 VDC
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### Contact Features

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

### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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### Mechanical Attachment

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

### Housing Features

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

### Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### 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 2022 (224) Candidate List Declared Against: JAN 2022 (223)

SVHC > Threshold:  
Not Yet Reviewed

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



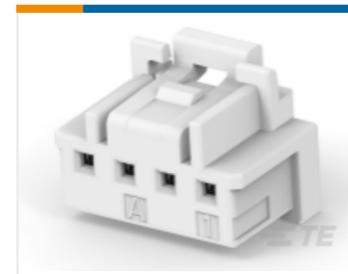
TE Part # 1-2232824-3  
SGI2.0 PLUG HOUSING 3P,KEY A,NTL



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



TE Part # 1-2232979-3  
SGI2.0 PLUG ASSEMBLY 3P,KEY A



TE Part # 1-2232979-4  
SGI2.0 PLUG ASSEMBLY 4P, KEY A, NTL



TE Part # 1-2232979-5  
SGI2.0 PLUG ASSEMBLY 5P, KEY A, NTL



TE Part # 1-2232979-6  
SGI2.0 PLUG ASSEMBLY 6P, KEY A, NTL



TE Part # 1-2232979-7  
SGI2.0 PLUG ASSEMBLY 7P, KEY A, NTL



TE Part # 1-2232979-9  
SGI2.0 PLUG ASSEMBLY 9P, KEY A, NTL



TE Part # 1-2336678-8  
SGI2.0 RA SMT HDR ASSY 8P,key A, NTL



TE Part # 2-2232979-0  
SGI2.0 PLUG ASSEMBLY 10P, KEY A, NTL

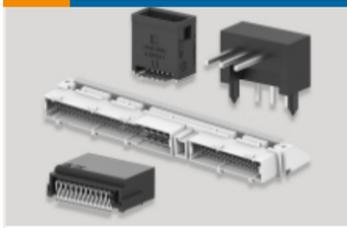


TE Part # 4-2232979-2  
SGI2.0 PLUG ASSEMBLY 2P, KEY B,BLK



TE Part # 1-2336681-8  
SGI2.0 RA SMT HDR HSG 8P,key A, NTL

## Also in the Series | GRACE INERTIA 2.0



PCB Headers & Receptacles(70)



Rectangular Connector Housings(20)



Standard Rectangular Connectors(18)



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



Wire-to-Board Connector Contacts(3)

## Customers Also Bought



TE Part #YACT26MA98SEV00100  
STRAIGHT PLUG



TE Part #YACT26MG35SCV00100  
STRAIGHT PLUG



TE Part #EF9981-000  
222K121-25L/225-0



TE Part #ZPF000000000146309  
DMC-MD 26 G-K-T



TE Part #ZPF000000000148912  
DMC-MD 26 A-T



TE Part #ZPF000000000148762  
DMC-M 99-04 AN (=33537-P0000)



TE Part #ZPF000000000146308  
DMC-MD 26 F-K-T

## Documents

### Product Drawings

[SGI2.0 PLUG ASSEMBLY 8P, KEY A,NTL](#)

English

### CAD Files

[3D PDF](#)

[3D](#)



**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-2232979-8\\_B.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-2232979-8\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-2232979-8\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance](#)

English

[Product Compliance](#)

English

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**Agency Approvals**

[VDE Certificate](#)

English