

4-2232979-7 ✓ ACTIVE



## GRACE INERTIA 2.0

TE Internal #: 4-2232979-7

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                | B        |
| PCB Mount Orientation | Vertical |
| Number of Positions   | 7        |
| Number of Rows        | 1        |

#### Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 50 VDC |
|-------------------|--------|



### 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) |
|------------------------------------|-------------------------------|

### 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      | Black          |
| Centerline (Pitch) | 2 mm [.079 in] |

### Usage Conditions

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

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Industry Standards

|                        |          |
|------------------------|----------|
| 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 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>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 # 1-2232979-2  
SGI2.0 PLUG ASSEMBLY 2P, KEY A, NTL



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



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



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



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



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



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



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



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

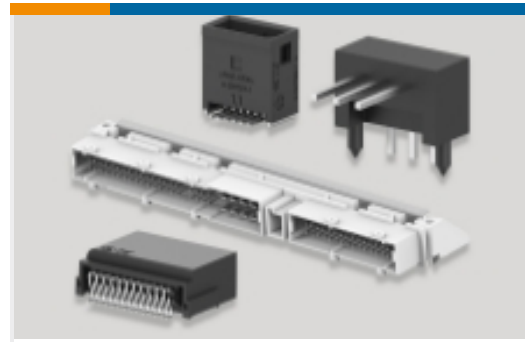


TE Part # 5-2232979-0  
SGI2.0 PLUG ASSEMBLY 10P, KEY B, BLK



TE Part # 4-2336681-7  
SGI2.0 RA SMT HDR HSG 7P, key B, BLK

## 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 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

## Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

## Agency Approvals

[VDE Certificate](#)

English