2382946-7 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 1.5

TE Internal #: 2382946-7

7 Position, Plug, Housing, Crimp, Wire-to-Board, UL 94V-0, 1.5 mm [.059 in] Centerline, 1 Row, 50 VAC, Wire & Cable, Signal, GRACE INERTIA 1.5

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

UL Flammability Rating: **UL 94V-0**

Number of Positions: **7**

Features

Product Type Features

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

Configuration Features

Number of Positions	7
Number of Rows	1

Electrical Characteristics

Termination Resistance	20 mΩ
Insulation Resistance	500 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC
Operating Voltage	50 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Current Rating (Max)	2 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	1.5 mm[.059 in]
Housing Material	Nylon

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

Glow Wire Rating	GWEPT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Loose Piece

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

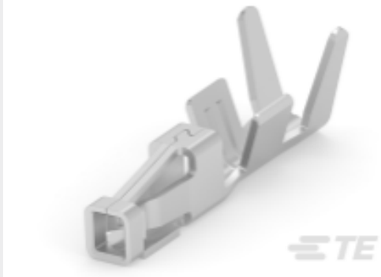
Product Compliance Disclaimer

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

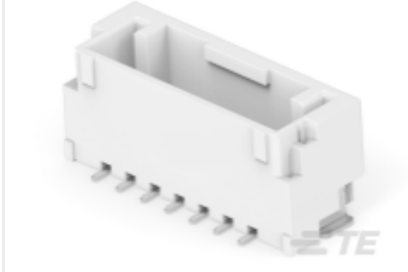
Compatible Parts



TE Part # 2371403-2
SGI 1.5 RCPT Contact, 24-28AWG



TE Part # 2454997-4
SGI 1.5 RCPT Contact, 24-28AWG



TE Part # 2360547-7
SGI 1.5 HDR, 7P, VT, Key A, Natural



TE Part # 2383410-7
SGI 1.5 TPA, 7P, Black



TE Part # 2-2383410-7
SGI 1.5 TPA, 7P, Natural



TE Part # 2360545-7
SGI 1.5 HDR, 7P, RA, Key A, Natural

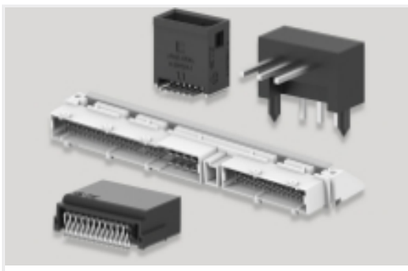
Also in the Series | GRACE INERTIA 1.5



Connector Caps & Covers(29)



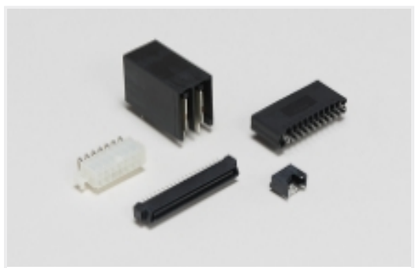
Connector Contacts(1)



PCB Headers & Receptacles(92)



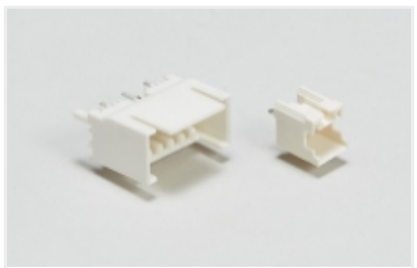
Rectangular Connector Housings(70)



Standard Rectangular Connectors(70)



Wire-to-Board Connector Assemblies & Housings(70)



Wire-to-Board Headers & Receptacles (92)

Documents

Product Drawings

SGI 1.5 Plug HSG, 7P, Key A, Natural

English

CAD Files

Customer View Model

ENG_CVM_CVM_2382946-7_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2382946-7_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2382946-7_A.3d_igs.zip

English

3D PDF

3D

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English