



GRACE INERTIA | GRACE INERTIA 1.25

TE Internal #: 1-2371404-6
Housing, Plug, Wire-to-Board, 16 Position, 1.25 mm [.049 in]
Centerline, Crimp, 1 Row, Natural, Wire & Cable, Signal, GRACE
INERTIA 1.25

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Board**
Number of Positions: **16**
Centerline (Pitch): **1.25 mm [.049 in]**

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	16
Number of Rows	1

Electrical Characteristics

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

Body Features



Primary Product Color	Natural
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Contact Features

Contact Current Rating (Max)	1 A
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Housing Features

Housing Material	Nylon
Centerline (Pitch)	1.25 mm [.049 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
Glow Wire Rating	GWEPT 750°C (Without Flame)

Packaging Features

Packaging Method	Loose Piece
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

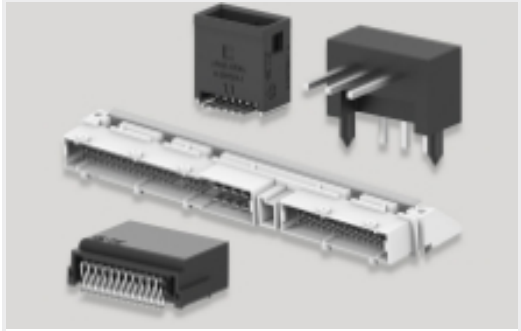
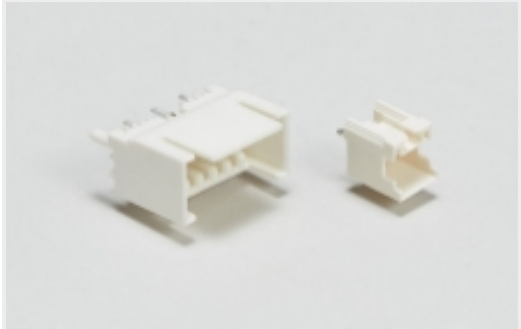
Product Compliance Disclaimer

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 # 1-2360540-6 SGI 1.25 HDR, 16P, VT, Key A, Natural	TE Part # 2371403-1 SGI 1.25 RCPT Contact, 26-30AWG	TE Part # 1-2360538-6 SGI 1.25 HDR, 16P, RA, Key A, Natural	TE Part # 2454997-1 SGI 1.25 RCPT Contact, 26-30AWG

Also in the Series | GRACE INERTIA 1.25

			
Connector Contacts(2)	PCB Headers & Receptacles(76)	Rectangular Connector Housings(2)	Standard Rectangular Connectors(2)
			
Wire-to-Board Connector Assemblies & Housings(42)	Wire-to-Board Headers & Receptacles (76)		

Documents

Product Drawings



SGI 1.25 Plug HSG, 16P, Key A, Natural

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-2371404-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2371404-6_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-2371404-6_A.2d_dxf.zip

English

3D PDF

3D

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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English