



GRACE INERTIA 2.5

TE Internal #: 2-2232546-3

Header, Receptacle, Wire-to-Board, 2 Position, 2.5 mm [.098 in]  
Centerline, Printed Circuit Board, GRACE INERTIA 2.5, Rectangular  
Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > STD Temp Sig GRACE INERTIA Header



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **2.5 mm [ .098 in ]**

[All STD Temp Sig GRACE INERTIA Header \(35\)](#)

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1



Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	3 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Natural
Housing Material	Nylon 66 GF

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Carton
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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	Not Yet Reviewed
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 2024 (241)



Candidate List Declared Against: JAN 2019 (197)  
SVHC > Threshold:  
Not Yet Reviewed

Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 2-1971794-1  
NEW GI CONN2.5 TPA 2P BLACK



TE Part # 2232983-1  
EP 2.5 LIF RCPT CONTACT, 24-20 AWG



TE Part # 1744423-1  
EP 2.5 RCPT CONTACT, 24-20 AWG



TE Part # 2232905-1  
EP 2.5 LIF RCPT CONTACT, 26-22 AWG



TE Part # CAT-G7534A-P729A  
Glow Wire Sig GRACE INERTIA Plug



TE Part # 2-1971793-5  
NEW GI CONN2.5 PLUG HSG 2P BLK

Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)

Connector Hardware(7)

PCB Headers & Receptacles(138)

Rectangular Connector Housings(49)

Rectangular Power Connectors(35)

Wire-to-Board Connector Assemblies & Housings(46)

Customers Also Bought

TE Part #2027395-5  
T9W1K15-12S

TE Part #2-2141600-2  
TAB 2.8x0.8 CONTACT CF SRC Ag

TE Part #2-2232546-2  
STD Temp Sig GRACE INERTIA Header

TE Part #1-1649357-3  
RTH34012

Documents

Product Drawings

GI2.5 HDR ASS 2P RED NO BOSS TAPE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-2232546-3\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2232546-3\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2232546-3\_A.3d\_stp.zip

English

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Product Specifications

Product Specification

English