

2-2232546-4 ✓ ACTIVE



GRACE INERTIA 2.5

TE Internal #: 2-2232546-4

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

GRACE INERTIA 2.5

[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 |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

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

Usage Conditions

| | |
|-----------------------------|--|
| Operating Temperature Range | -30 – 105 $^{\circ}\text{C}$ [-22 – 221 $^{\circ}\text{F}$] |
|-----------------------------|--|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

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

Packaging Features

| | |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

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



TE Part # 2-1971793-4
NEW GI CONN2.5 PLUG HSG 2P YLW



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



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

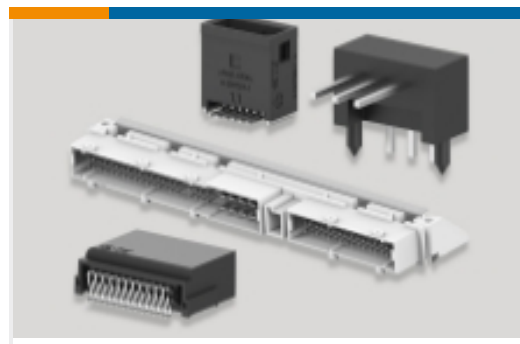
Also in the Series | **GRACE INERTIA 2.5**



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 #ZPF000000000136485
RECEPTACLE MALE FOR 12 PINS,
CAL1,6



TE Part #EC9833-000
ZHD-SCE-3.2-50-S1-4



TE Part #1-1415543-5
RTE44110



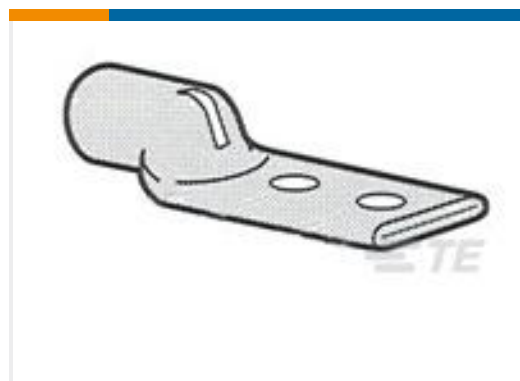
TE Part #ASA158F12390235000
623 PLUG



TE Part #ZPF000000000205373
PLUG MALE ANG.90 CAL.20 - FXP



TE Part #YZ-KC-212751A-PY00
TOOL DISMOUNTING - FXP2



TE Part #55992-1
TERMINAL,AMPOWER R 2/0 5/16



TE Part #ZPF000000000205378
CONTACT MALE ANG.90, CAL20,
120MM2 - FXP



TE Part #ZPF000000000205388
CONTACT FEMALE CAL.20, M12 - FXP

Documents



Product Drawings

GI2.5 HDR ASS 2P YEL NO BOSS TAPE

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-2232546-4_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2232546-4_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2232546-4_A.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English