

GRACE INERTIA 6.0

TE Internal #: 3-2232876-1
Header, Receptacle, Wire-to-Board, 3 Position, 6 mm [.236 in]
Centerline, Printed Circuit Board, GRACE INERTIA 6.0, Rectangular
Power Connectors

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Rectangular Power Connector Type: **Header**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board**
Number of Positions: **3**
Centerline (Pitch): **6 mm [.236 in]**

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	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Signal Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VDC
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Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	9 A



Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	6 mm[.236 in]
Housing Color	Natural
Housing Material	Nylon 6/6 GF

Dimensions

Wire Size	434.2 – 2723.5 CMA
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Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	1800
Packaging Method	Box & 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	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 2024 (241)



Candidate List Declared Against: JUNE 2024 (241)
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 # CAT-G7534-P729A
Glow Wire GRACE INERTIA Plug



TE Part # 2-2232876-1
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 2POS



TE Part # 1747049-1
GRACE INERTIA CONNECTOR 6.5
3POS HEADER



TE Part # CAT-G7534-H342
Glow Wire GRACE INERTIA Header



TE Part # 2-2232876-2
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 2POS



TE Part # 2-2232876-3
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 2POS



TE Part # 2-2232876-4
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 2POS



TE Part # 3-2232876-3
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 3POS



TE Part # 3-2232876-4
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 3POS



Also in the Series

GRACE INERTIA 6.0

Rectangular Power Connectors(4)

Customers Also Bought

TE Part #5177983-3
0.8FH,R05H.5,080,08/Sn,TU

TE Part #3-1393210-3
T9AS5D12-12

TE Part #1-1415899-3
RZ03-1A4-D005

TE Part #5569564-1
MJ ASSY,R/A,8 POS,LED GRN&YELW

TE Part #643413-1
03P UMNL HDR ASSY SCKT POL

TE Part #643411-1
02P UMNL HDR ASSY POL

TE Part #826936-3
3P AMPMODU II STIFT LEI

TE Part #2-2176251-9
CRGS2010 5% 220R

Documents

Product Drawings

GIC6.0MM CONNECTOR HEAD HOUSING ASS 3POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2232876-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2232876-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2232876-1_A.3d_stp.zip



English

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

Datasheets & Catalog Pages

1-1773873-1 6.0mm GRACE INERTIA connector flyer

English

1-1773883-5 GRACE INERTIA connector quick reference guide

English

Product Specifications

Engineering Specification

English