2-2232876-1 ✔ ACTIVE

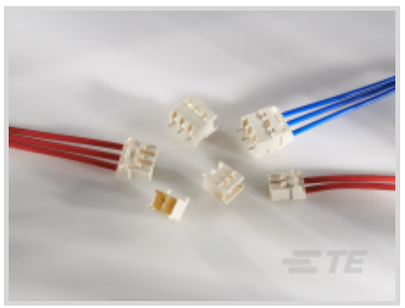
GRACE INERTIA 6.0

TE Internal #: 2-2232876-1

Header, Receptacle, Wire-to-Board, 2 Position, 6 mm [.236 in] Centerline, Printed Circuit Board, GRACE INERTIA 6.0, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

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

Electrical Characteristics

Operating Voltage	300 VDC

Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	10 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

Mechanical Attachment

Connector Mounting Type	Board Mount

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

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	2800
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

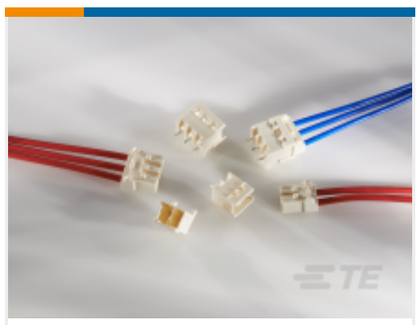
Product Compliance Disclaimer

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 # 3-2232876-1
GIC6.0MM CONNECTOR HEAD HOUSING ASS 3POS



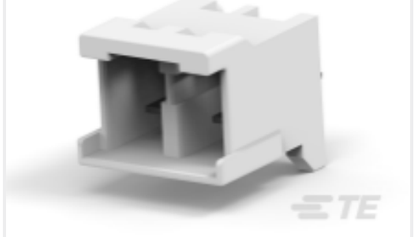
TE Part # 1747049-1
GRACE INERTIA CONNECTOR 6.5 3POS HEADER



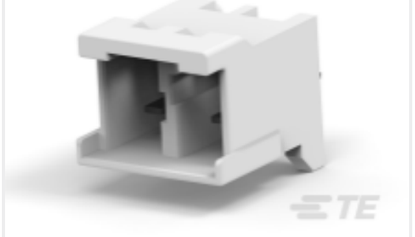
TE Part # CAT-G7534-H342
Glow Wire GRACE INERTIA Header



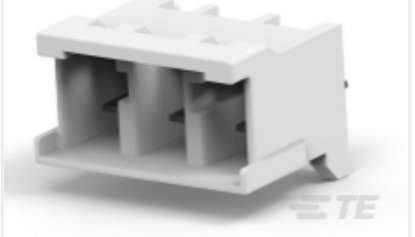
TE Part # 2-2232876-2
GIC6.0MM CONNECTOR HEAD HOUSING ASS 2POS



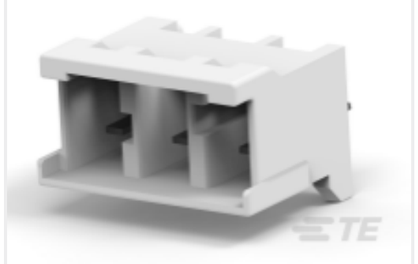
TE Part # 2-2232876-3
GIC6.0MM CONNECTOR HEAD HOUSING ASS 2POS



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)

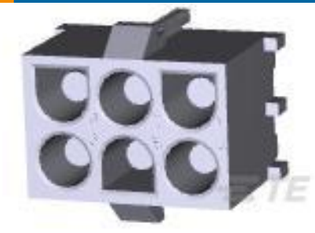
Customers Also Bought



TE Part #3-640443-6
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



TE Part #5499786-2
A/L UNIV HDR 14P RA LG LAT



TE Part #643424-1
06P UMNL HDR ASSY POL 94VO



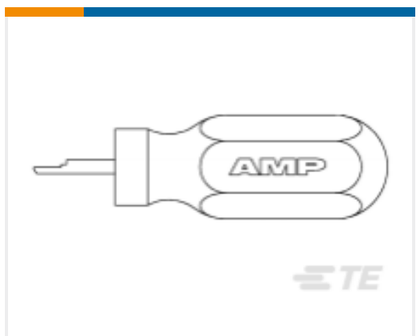
TE Part #2-520181-2
ULTRA-FAST 187 ASY REC 22-18 AWG TPBR



TE Part #3-2232876-1
GIC6.0MM CONNECTOR HEAD HOUSING ASS 3POS



TE Part #2-2176349-8
CRGCQ 2512 1K8 1%



TE Part #1463644-1
EXT-TOOL,5.0 POWER KEY CONN.



TE Part #7-2151079-7
OCEAN_2.0_SPARE_PART_KIT-080F130F



TE Part #7-2151852-7
OCEAN_2.0_SPARE_PART_KIT-110F160F

Documents

Product Drawings

GIC6.0MM CONNECTOR HEAD HOUSING ASS 2POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2232876-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-2232876-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2232876-1_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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

CPF0402B37K4E1 CRGCQ2010J3K3 RH73H2A40MKTN SBCHE64R7K 1-794222-0 1393431-1 1903112-2 2310537-1 2377783-2 3631B101LL 936348-1 SBCHE154R7K TE50BR39J 650075-000 1743455-2 175977-2 U5254-000005-030PA 1-962915-1 2-292161-3 3-1393225-0 917696-1 MPT100C18RF ROX05SJ18R 1969656-1 SMW73R0JT 141991-2 2005330-1 2380312-2 2834055-1 3430B2F51RTDF