

1747066-5 ✓ ACTIVE



GRACE INERTIA 2.5

TE Internal #: 1747066-5

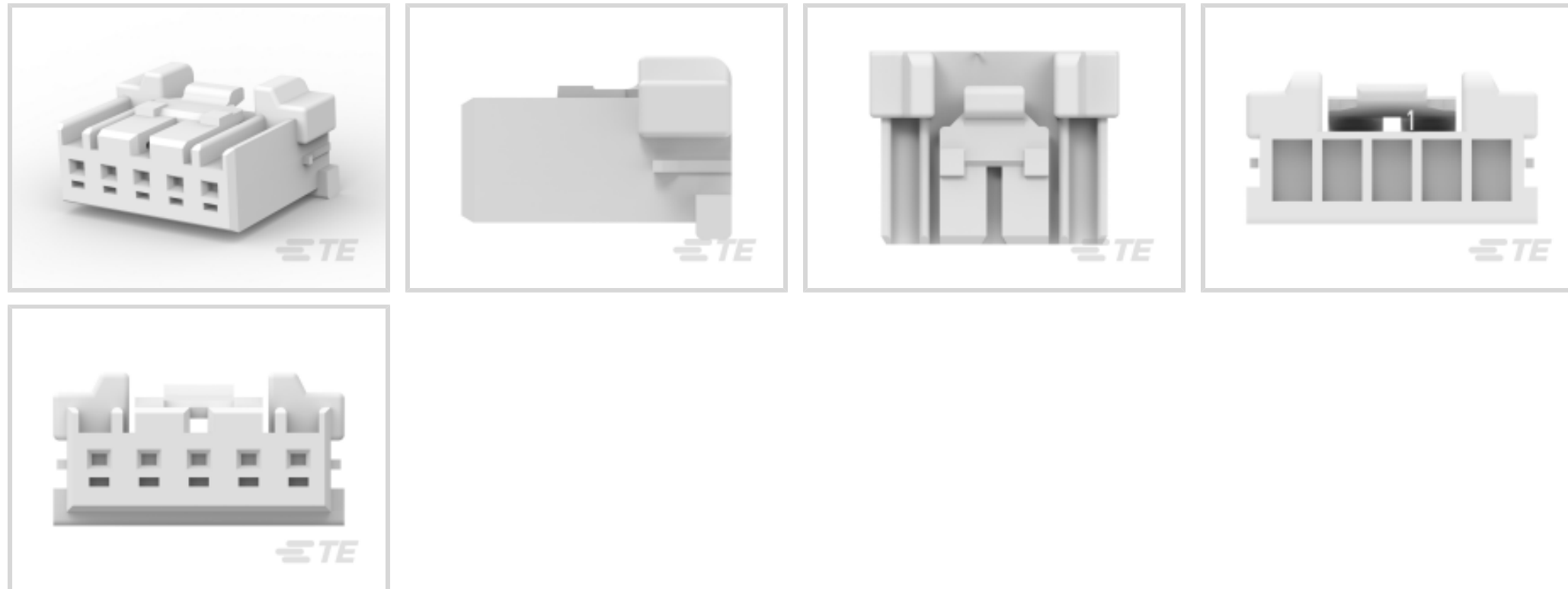
Housing, Plug, Wire-to-Board, 5 Position, 2.5 mm [.098 in]

Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable,

GRACE INERTIA 2.5

[View on TE.com >](#)

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: **5**

Centerline (Pitch): **2.5 mm [.098 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	5
Number of Rows	1

Housing Features

Centerline (Pitch)	2.5 mm [.098 in]
Housing Material	Nylon 6/6 GF
Housing Entry Configuration	Both Ends Open

Termination Features

Termination Method to Wire & Cable	Crimp
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Body Features

Primary Product Color	Natural
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Mechanical Attachment

Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Strain Relief	Without
Panel Mount Feature	Without
Mating Retention Type	Latch
PCB Mount Retention	Without

Operation/Application

Circuit Application	Power & Signal
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Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	50 VDC
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Contact Features

Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Type	Pin

Dimensions

Connector Height	7.65 mm[.301 in]
Connector Length	14.6 mm[.574 in]

Industry Standards

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

Packaging Features

Packaging Method	Bag
Packaging Quantity	500



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 applicable 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 # 5-1747072-5
GRACE INERTIA CONN 2.5 ON TAPE HDR 5P NA



TE Part # CAT-G7534A-R2435
Sig GRACE INERTIA Receptacle



TE Part # 5-1747511-1
GRACE INERTIA CONN 2.5 ON TAPE HDR 3/5P



TE Part # 7-1747511-1
GIC 2.5 ON TAPE HDR 3/5P BLUE



TE Part # 1747661-1
GRACE INERTIA CONN 2.5 HDR ASSY
3/5P NAT

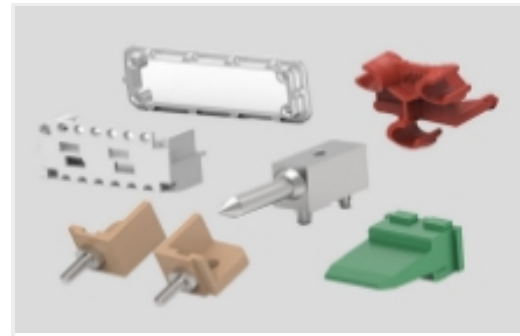


TE Part # 1871843-5
GIC2.5 HDR ASSY TIN VERSION 5P
NATURAL

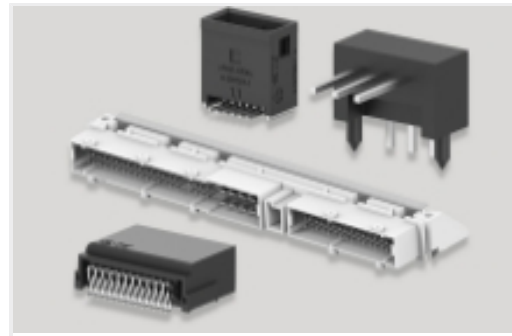
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



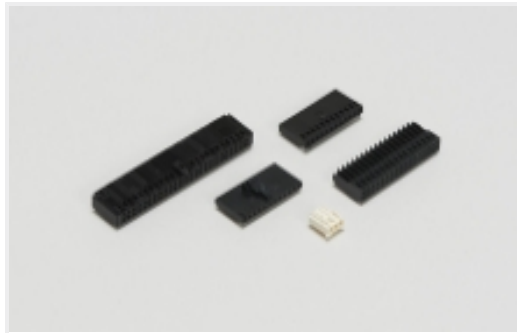
Connector Hardware(7)



PCB Headers & Receptacles(173)



Rectangular Connector Housings(49)

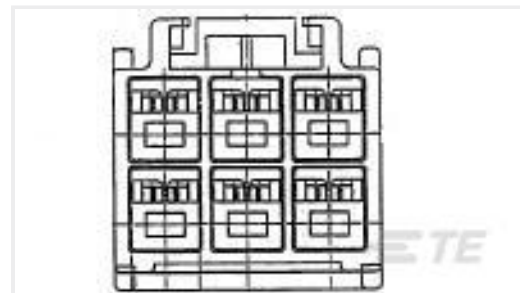


Wire-to-Board Connector Assemblies
& Housings(47)

Customers Also Bought



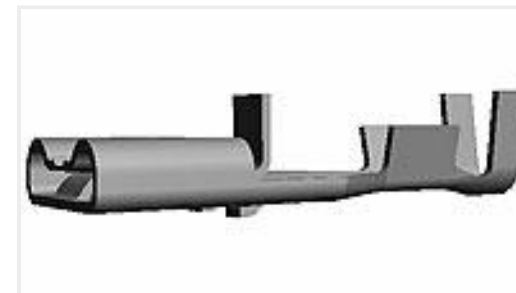
TE Part #179938-1
AMP POWER DBL LOCK PLUG HSG 3P



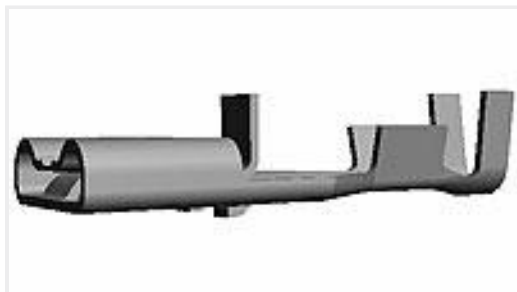
TE Part #176285-1
AMP UNIVERSAL POWER CAP 6P



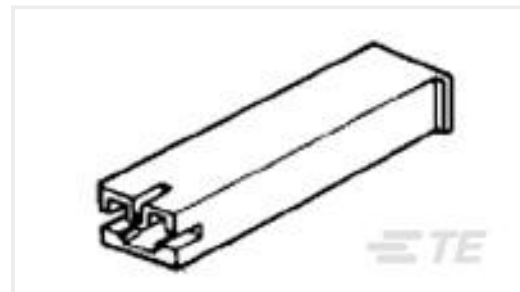
TE Part #176282-4
AMP UNIVERSAL POWER CAP 2P



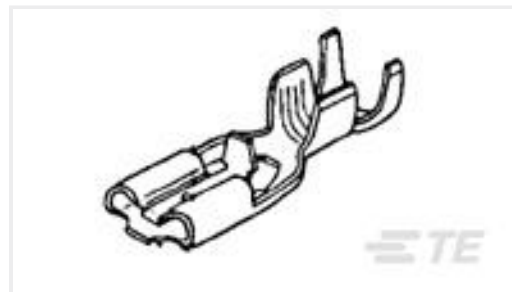
TE Part #170329-1
250 PL MKII REC. 15-10AWG PTBR



TE Part #170327-1
250 PL MKII REC. 22-18AWG PTBR



TE Part #173974-1
187 HSG. PL MKII REC. NAT



TE Part #170325-1
187 PL MKII REC. 20-16AWG PTBR



TE Part #175149-1
UNIVERSAL POWER CONN TAB



Documents

Product Drawings

[GRACE INERTIA CONN 2.5 PLUG HSG 5P NATUR](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1747066-5_E.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1747066-5_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1747066-5_E.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English