

2232563-1 ✓ ACTIVE

GRACE INERTIA 9.0

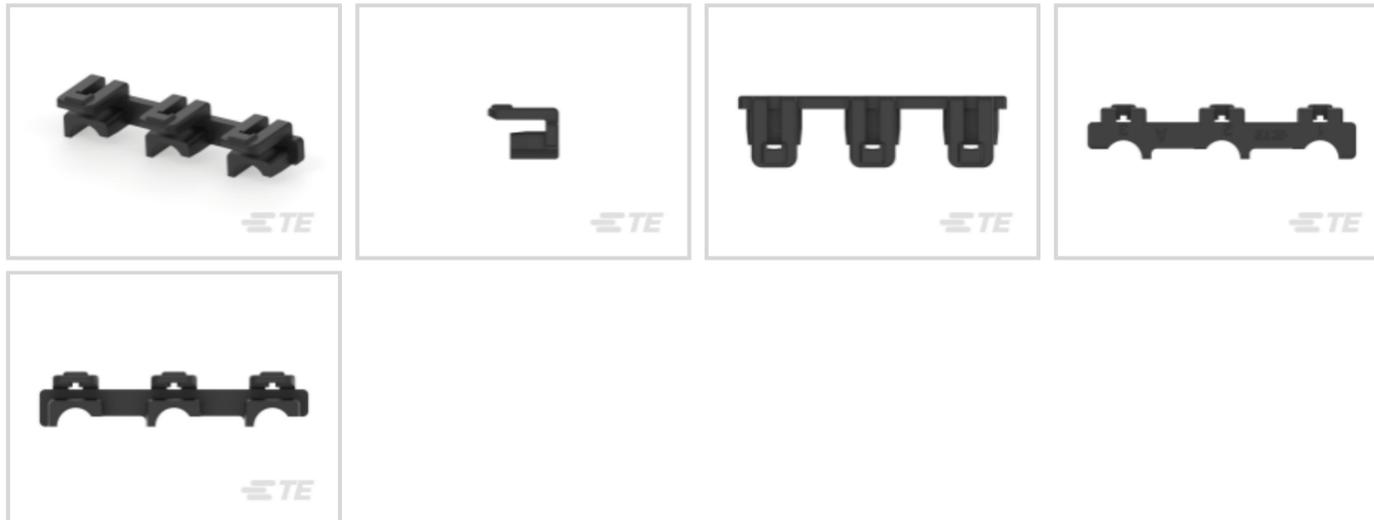
TE Internal #: 2232563-1

TPA (Terminal Position Assurance), Black, GRACE INERTIA 9.0

[View on TE.com >](#)



Connectors > Connector Accessories > Connector Hardware



Hardware Accessory Function: **Position Assurance**

Connector Hardware Accessory Type: **TPA (Terminal Position Assurance)**

Primary Product Color: **Black**

Operating Temperature (Max): **105 °C [221 °F]**

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

Features

Product Type Features

Hardware Accessory Function	Position Assurance
Connector Hardware Accessory Type	TPA (Terminal Position Assurance)

Body Features

Primary Product Color	Black
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Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1500
Packaging Method	Box

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



Also in the Series | **GRACE INERTIA 9.0**



Connector Hardware(1)



Rectangular Power Connectors(9)

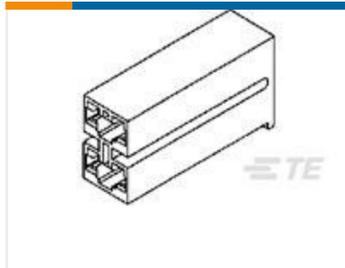
Customers Also Bought



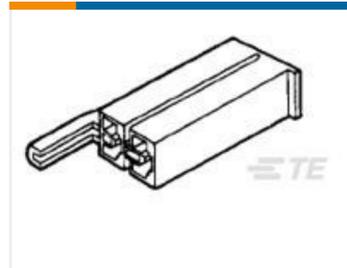
TE Part # 1969877-1
187 HIGH TEMP POS LOCK HSG LCP



TE Part # 2238178-1
187 X 020 POS LOC REC 20-16 NISTL



TE Part # 172210-1
POSITIVE LOCK 250 HOUSING RECEPTACLE



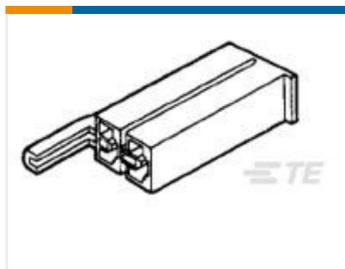
TE Part # 1-174587-1
PL MK2 2P 187 HOUSING RECEPTACLE NAT



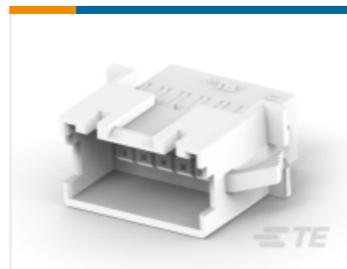
TE Part # 1-1969541-2
RETAINER, TPA, DUAL ROW, EP2.5



TE Part # 1-1903415-1
GHC 9.0 3POS HDR ASSY RED



TE Part # 1-174587-7
PL MK2 2POS 187 HOUSING RECEPTACLE RED



TE Part # 1-2323745-2
HSG,REC,PANEL MOUNT,GWT, DUALROW,EP2.5



TE Part # 4-1903414-2
GHC 9.0 3POS PLUG HSG BLACK

Documents

Product Drawings

[GHC 9.0MM 3POS TPA](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_2232563-1_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_2232563-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2232563-1_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English