



GRACE INERTIA 2.5

TE Internal #: 1971795-1

Connector Contact, Socket, Wire-to-Wire, 28 – 22 AWG Wire Size, .079 – .38 mm² Wire Size, Pre-Tin, Reel, Wire & Cable, 3 A, Signal, GRACE INERTIA 2.5

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts > Sig GRACE INERTIA Receptacle



Contact Type: **Socket**

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

Wire Size: **.079 – .38 mm²**

Contact Mating Area Plating Material: **Pre-Tin**

[All Sig GRACE INERTIA Receptacle \(9\)](#)

Features

Product Type Features

Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	50 VAC

Contact Features

Mating Square Post Dimension	.5 mm[.019 in]
Contact Retention Within Housing	With
Contact Underplating Material Thickness	.8 μm[31.5 μin]
Contact Mating Area Plating Material Thickness	2 μm



Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Type	Socket
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)

Dimensions

Accepts Wire Insulation Diameter Range	1.08 – 1.5 mm [.043 – .059 in]
Wire Size	.079 – .38 mm ²

Usage Conditions

Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Quantity	9000
Packaging Method	Reel

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 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC








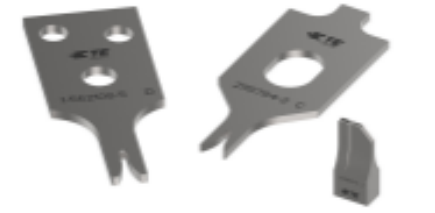


Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

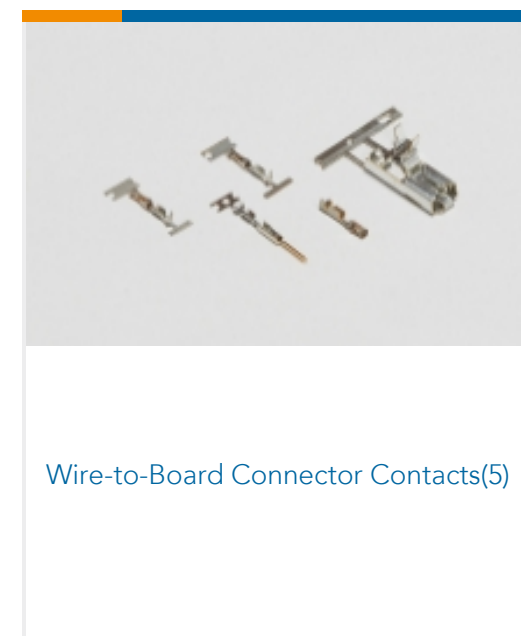
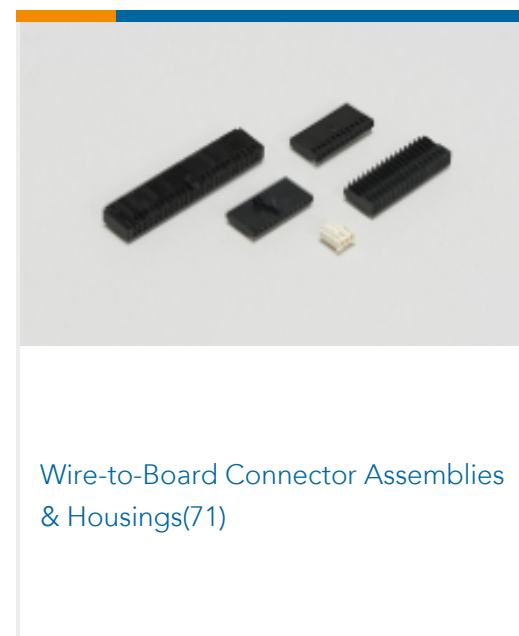
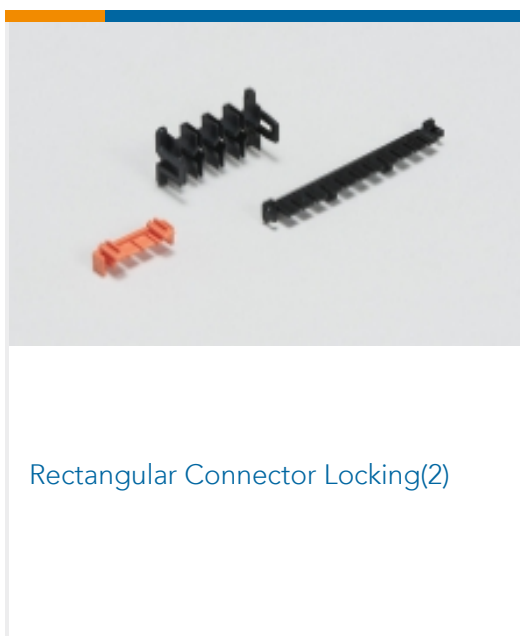
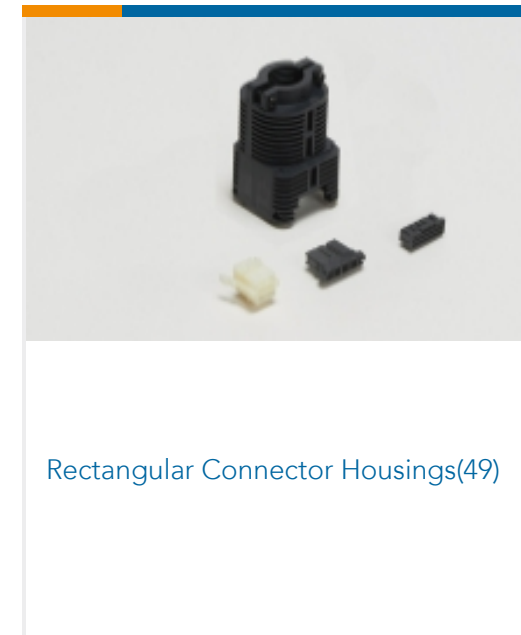
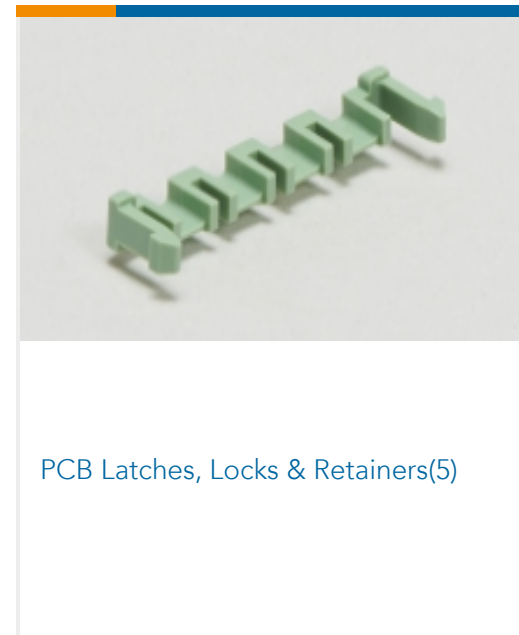
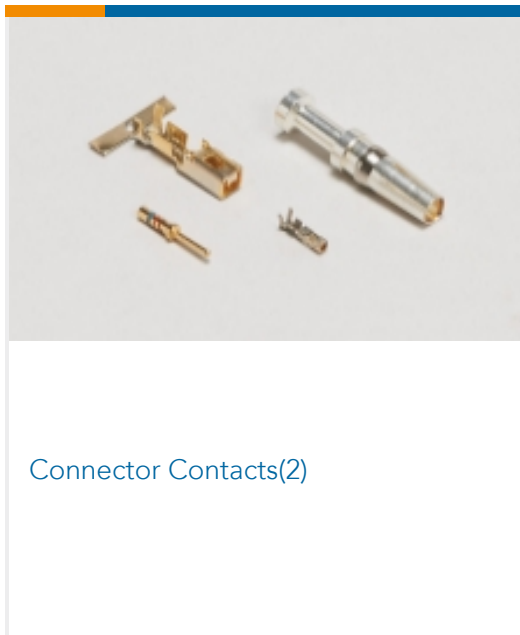
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

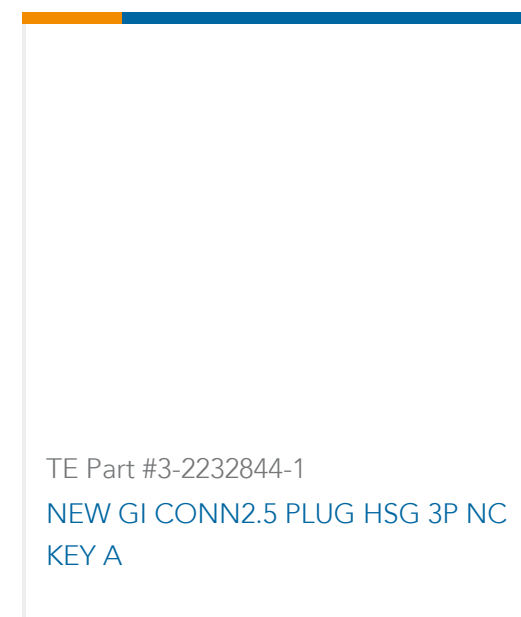
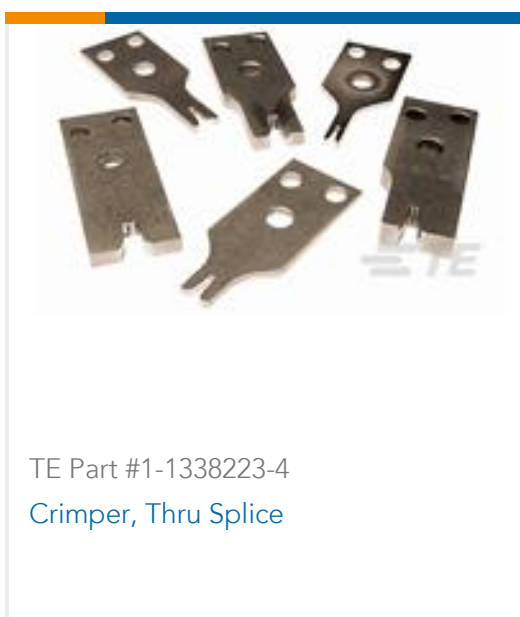
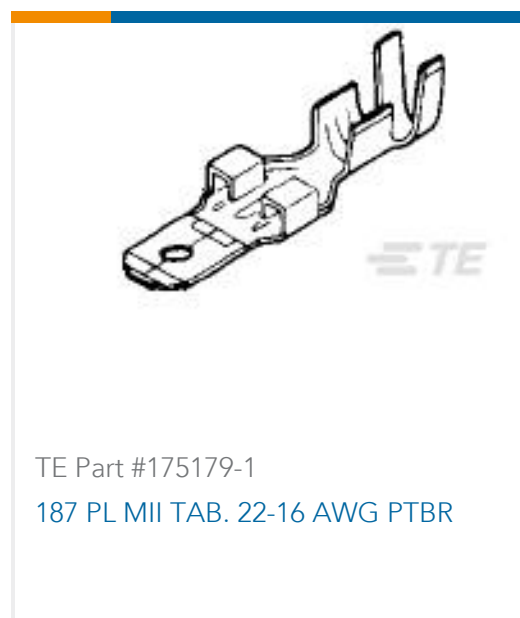
 <p>TE Part # 2305570-1 TERMINAL CUTTER, SIDE FEED</p>	 <p>TE Part # 2134384-1 GIC 2.5 REC CONT TIN PLATE TYPE (2L TYPE)</p>	 <p>TE Part # 2151948-1 OCEAN-2.0-APPLICATOR-S-046F057F (2L TYPE)</p>	 <p>TE Part # 2-2151948-1 OCEAN-2.0-APPLICATOR-S-046F057F</p>
 <p>TE Part # 2-2151948-2 OCEAN-2.0-APPLICATOR-S-046F057FA</p>	 <p>TE Part # 2151948-2 OCEAN-2.0-APPLICATOR-S-046F057FA</p>	 <p>TE Part # 5-2151948-1 OCEAN-2.0-APPLICATOR-S-046F057F</p>	 <p>TE Part # 5-2151948-2 OCEAN-2.0-APPLICATOR-S-046F057FA</p>
 <p>TE Part # 7-2151948-1 OCEAN-2.0-APPLICATOR-S-046F057F</p>	 <p>TE Part # 7-2151948-2 OCEAN-2.0-APPLICATOR-S-046F057FA</p>	 <p>KIT TE Part # 7-2151948-7 OCEAN_2.0_SPARE_PART_KIT-046F057F</p>	 <p>KIT TE Part # 7-2836702-7 OC-046F057F-752-CRIMPTOOLINGKIT</p>



Also in the Series | GRACE INERTIA 2.5



Customers Also Bought





Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1971795-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1971795-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971795-1_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[5-1773465-3-GI2.5Flyer](#)

English

[7-1773465-8-GI2.5-ChineseFlyer](#)

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Product Environmental Compliance

[MD_1971795-1_10102018855_dmtec](#)

English

[MD_1971795-1_10102018855_dmtec](#)

English

Agency Approvals

[UL Report](#)

English