1827290-1 ✔ ACTIVE

GRACE INERTIA | GRACE INERTIA 2.0

TE Internal #: 1827290-1

Tin (Sn), Socket Contact, 28 – 22 AWG, 50 VAC, 50 VDC, .079 – .38 mm² Wire, Locking Lance Contact Retention, Discrete Wire, Crimp, GRACE INERTIA 2.0

View on TE.com >

Connectors > Contacts > Connector Contacts > Sig GRACE INERTIA Receptacle







Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin (Sn)**

Operating Voltage: **50 VDC**

Contact Retention Within Housing: **With**

All Sig GRACE INERTIA Receptacle (8)

Features

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	50 VDC

Contact Features

Mating Tab Thickness	.46 mm[.018 in]
Mating Tab Width	.5 mm[.02 in]
Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Contact Retention Within Housing	With
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	2.5 A

Termination Features

Rectangular Termination Post & Tail Width	.7 mm[.027 in]
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	1.08 – 1.5 mm[.043 – .059 in]
Wire Size	.079 – .38 mm²

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Method	Reel
Packaging Quantity	6000

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 2151126-2
OCEAN-2.0-APPLICATOR-S-046F057F-RSA



TE Part # 1747066-8
GRACE INERTIA CONN 2.5 PLUG HSG 8P NATUR



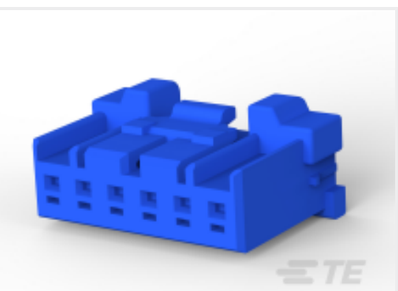
TE Part # 1747066-6
GRACE INERTIA CONN 2.5 PLUG HSG 6P NATUR



TE Part # 1747066-2
GRACE INERTIA CONN 2.5 PLUG HSG 2P NATUR



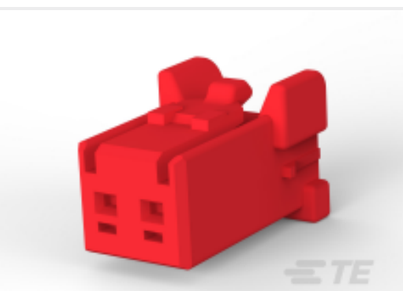
TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 2-1747066-6
GRACE INERTIA CONN 2.5 PLUG HSG 6P BLUE



TE Part # 7-2151126-7
OCEAN_2.0_SPARE_PART_KIT-046F057F



TE Part # 1-1747066-2
GRACE INERTIA CONN 2.5 PLUG HSG 2P RED



TE Part # 1747066-3
GRACE INERTIA CONN 2.5 PLUG HSG 3P NATUR



TE Part # 1747066-5
GRACE INERTIA CONN 2.5 PLUG HSG 5P NATUR



TE Part # 2134384-1
GIC 2.5 REC CONT TIN PLATE TYPE (2L TYPE



TE Part # 2151126-1
OCEAN-2.0-APPLICATOR-S-046F057F-RSM



TE Part # 1-1747066-6
GRACE INERTIA CONN 2.5 PLUG HSG 6P RED

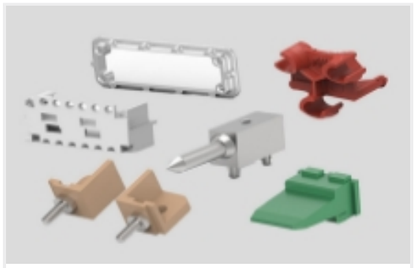


TE Part # 1747066-4
GRACE INERTIA CONN 2.5 PLUG HSG 4P NATUR

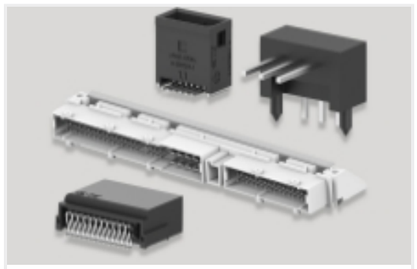
Also in the Series | GRACE INERTIA 2.0



Connector Contacts(6)



Connector Hardware(9)



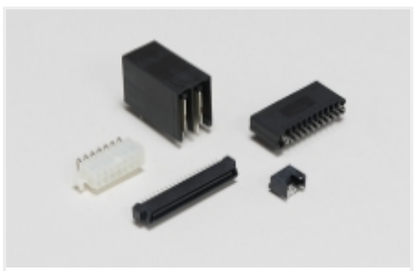
PCB Headers & Receptacles(70)



Rectangular Connector Housings(22)



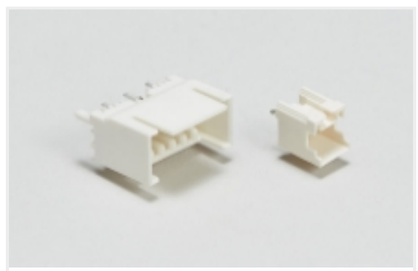
Rectangular Power Connectors(1)



Standard Rectangular Connectors(40)

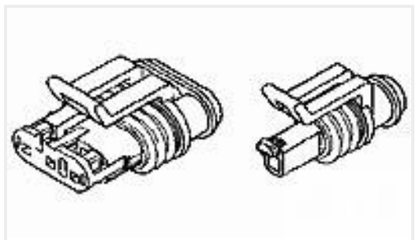


Wire-to-Board Connector Assemblies & Housings(40)

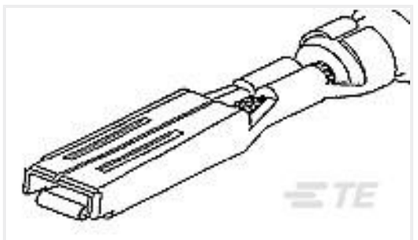


Wire-to-Board Headers & Receptacles (70)

Customers Also Bought



TE Part #282080-1
AMP SUPERSEAL 1.5 SERIES 2P PL



TE Part #282110-1
MINI MIC RCPT CONTACT



TE Part #917309-1
MINI MLC CONN. TAB CONT.



TE Part #CAT-M8793-T273
MQS, RECEPTACLE AND TAB



TE Part #1379675-1
12W TAB HSG ASSY BLACK



TE Part #1802190-1
TAB0.64X0.64,TERMINAL

Documents

Product Drawings

GIC 2.0 REC CONT TIN PLATE TYPE

Japanese

Customer View Model

ENG_CVM_CVM_1827290-1_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1827290-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1827290-1_D.3d_stp.zip

English

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Product Specifications

Application Specification

English