



Connectors > Connector Accessories > Connector Hardware > GRACE INERTIA TPA



Hardware Accessory Function: Latching, Locking & Retention

Connector Hardware Accessory Type: Double Lock Plate

Primary Product Color: Black

Primary Product Material: Nylon 6/6 GF20

Number of Positions: 12

[All GRACE INERTIA TPA \(8\)](#)

Features

Product Type Features

Hardware Accessory Function	Latching, Locking & Retention
Connector Hardware Accessory Type	Double Lock Plate

Configuration Features

Number of Positions	12
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Body Features

Primary Product Color	Black
Primary Product Material	Nylon 6/6 GF20

Housing Features

Centerline (Pitch)	3.3 mm[.129 in]
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Dimensions

Row-to-Row Spacing	4.12 mm[.162 in]
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Usage Conditions

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

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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>

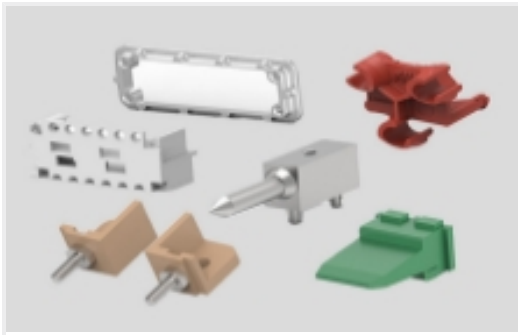
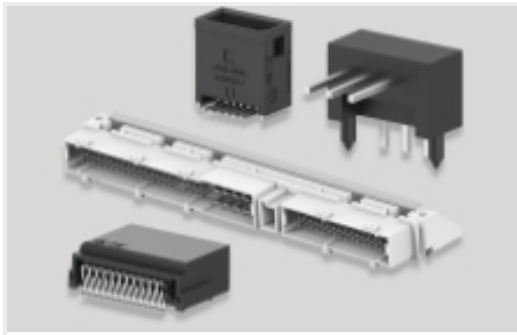
Compatible Parts



 TE Part # CAT-G7534-T669 GRACE INERTIA TPA	 TE Part # 1871571-1 GIC 3.3 HDR ASSY 12POS KINK	 TE Part # 1-1971906-6 HEADER ASSY 12POS,KEYING-A, NEW GIC3.3	 TE Part # 5-1871571-1 GIC 3.3 HDR ASSY 12POS W/O KINK
 TE Part # 3-1971906-6 HEADER ASSY 12POS,KEYING-C, NEW GIC3.3	 TE Part # 2-1971906-6 HEADER ASSY 12POS,KEYING-B,NEW GIC3.3	 TE Part # 2-1871571-3 GIC 3.3 HEADER ASSY 12POS	 TE Part # 2-1971904-2 TPA 4POS,NEW GIC3.3
 TE Part # CAT-G7534-P729A Glow Wire GRACE INERTIA Plug	 TE Part # 2-1971904-3 TPA 6POS,NEW GIC3.3	 TE Part # 2-1971904-5 TPA 10POS,NEW GIC3.3	 TE Part # 2-1971904-4 TPA 8POS,NEW GIC3.3
 TE Part # 4-1971906-6 HEADER ASSY 12POS,KEYING-D, NEW GIC3.3			

Also in the Series

GRACE INERTIA 3.3

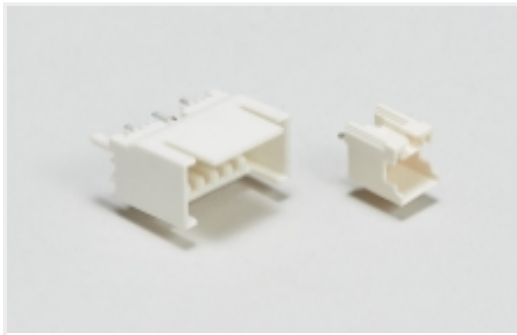
 Connector Contacts(3)	 Connector Hardware(15)	 PCB Headers & Receptacles(36)	 Power Contacts(3)
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Rectangular Power Connectors(70)



Wire-to-Board Connector Assemblies & Housings(34)



Wire-to-Board Headers & Receptacles (36)

Customers Also Bought



TE Part #5-1879335-8
CPF 0603 84R5 1% 50PPM 1K RL



TE Part #3-2176415-9
8W STD M/OX 5% 1K1



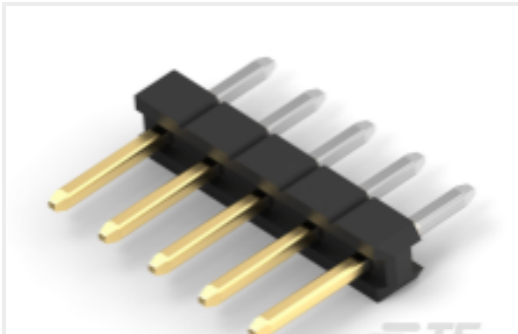
TE Part #5-2176415-3
8W STD M/OX 5% 4K3



TE Part #CAT-L1126-P689
Thermal Transfer Printable Panel Labels



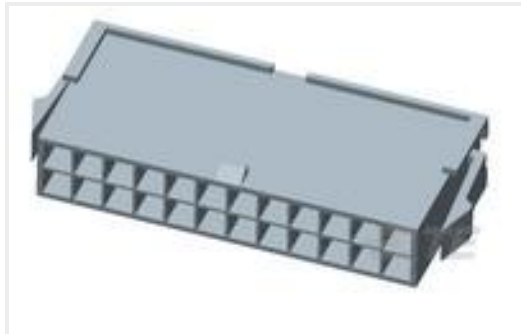
TE Part #2-2367198-3
1.0 WTB HOUSING WITH LATCH



TE Part #2355172-6
6P,2MM,BRK HDR,SRVT,2.8,0.1AU,BOX



TE Part #2842151-4
8P,2MM,BRK HDR,DRRT,2.8,0.38AU,TB



TE Part #1-1969599-8
18P PM PLUG VAL-U-LOK V2



TE Part #2-282043-2
AMP MONO-SHAPE 3 POS P.C.B.CON

Documents

Product Drawings

GIC 3.3 12P DBL LOCK PLATE(2-ROW,M-TYPE)

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1871822-1_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1871822-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871822-1_C.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[GRACE INERTIA CONNECTOR 3.3 CONTACT](#)

Japanese

[GRACE INERTIA CONNECTOR 3.3 CONTACT](#)

Japanese