

1871820-1 ✓ ACTIVE



GRACE INERTIA 3.3

TE Internal #: 1871820-1

PCB Latches, Locks & Retainers, Double Lock Plate, 6 Position, .129 in [3.3 mm] Centerline, -30 – 105 °C [-22 – 221 °F], GRACE INERTIA 3.3

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Connector Accessories > PCB Connector Hardware > PCB Latches, Locks & Retainers > GRACE INERTIA TPA



Connector & Contact Retention Accessory Type: **Double Lock Plate**

Number of Positions: **6**

Centerline (Pitch): **3.3 mm [.129 in]**

Row-to-Row Spacing: **4.12 mm [.162 in]**

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

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

Features

Product Type Features

| | |
|--|-------------------|
| Connector & Contact Retention Accessory Type | Double Lock Plate |
|--|-------------------|

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 6 |
|---------------------|---|

Body Features

| | |
|--------------------------|----------------|
| Primary Product Material | Nylon 6/6 GF20 |
|--------------------------|----------------|

| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 3.3 mm[.129 in] |
|--------------------|-----------------|

Dimensions

| | |
|--------------------|------------------|
| Row-to-Row Spacing | 4.12 mm[.162 in] |
|--------------------|------------------|

Usage Conditions

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



Industry Standards

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method | Bag |

Other

| | |
|---------|---|
| Comment | Type M., Use with Grace Inertia Connector 3.3 |
|---------|---|

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed |
| 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-P729A
Glow Wire GRACE INERTIA Plug



TE Part # CAT-G7534-P729
STD Temp GRACE INERTIA Plug



TE Part # 5-1565088-1
GRACE INERTIA CONNECTOR 3.5W
6POS CAP



TE Part # CAT-G7534-C1701
STD Temp GRACE INERTIA Cap



TE Part # CAT-G7534-H342
Glow Wire GRACE INERTIA Header



TE Part # CAT-G7534-T669
GRACE INERTIA TPA



TE Part # 2-1971904-6
TPA 12POS,NEW GIC3.3



TE Part # 2-1971904-2
TPA 4POS,NEW GIC3.3



TE Part # 2-1971904-3
TPA 6POS,NEW GIC3.3



TE Part # 2-1971904-4
TPA 8POS,NEW GIC3.3



TE Part # 2-1971904-5
TPA 10POS,NEW GIC3.3



TE Part # 2-1971904-7
TPA 14POS,NEW GIC3.3




TE Part # 4-1971904-2
TPA 4POS,NEW GIC3.3




TE Part # 4-1971904-3
TPA 6POS,YELLOW,NEW GIC3.3


Also in the Series | **GRACE INERTIA 3.3**



PCB Latches, Locks & Retainers(7)



Power Contacts(3)

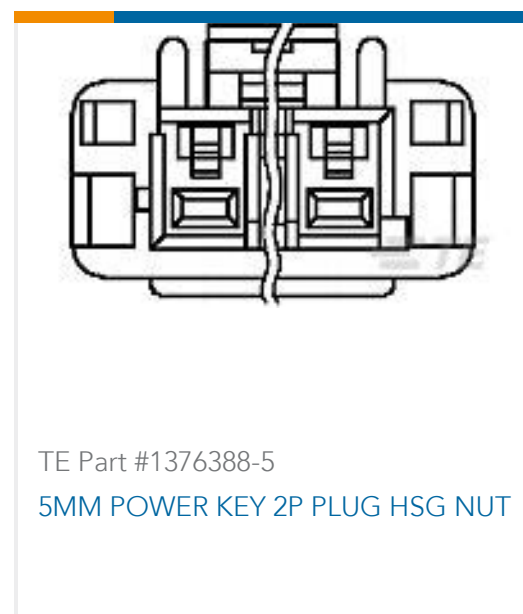


Rectangular Connector Locking(8)



Rectangular Power Connectors(69)

Customers Also Bought



Documents

Product Drawings

GIC 3.3 6P DBL LOCK PLATE(2-ROW,M-TYPE)

Japanese

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1871820-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871820-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871820-1_B.3d_stp.zip](#)

English

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

Product Specifications

1871820-1

PCB Latches, Locks & Retainers, Double Lock Plate, 6 Position, .129 in [3.3 mm]
Centerline, -30 – 105 °C [-22 – 221 °F], GRACE INERTIA 3.3



GRACE INERTIA CONNECTOR 3.3 W-B

Japanese

Product Specification

Japanese