

2-1827387-3 ✓ ACTIVE

GRACE INERTIA 3.3

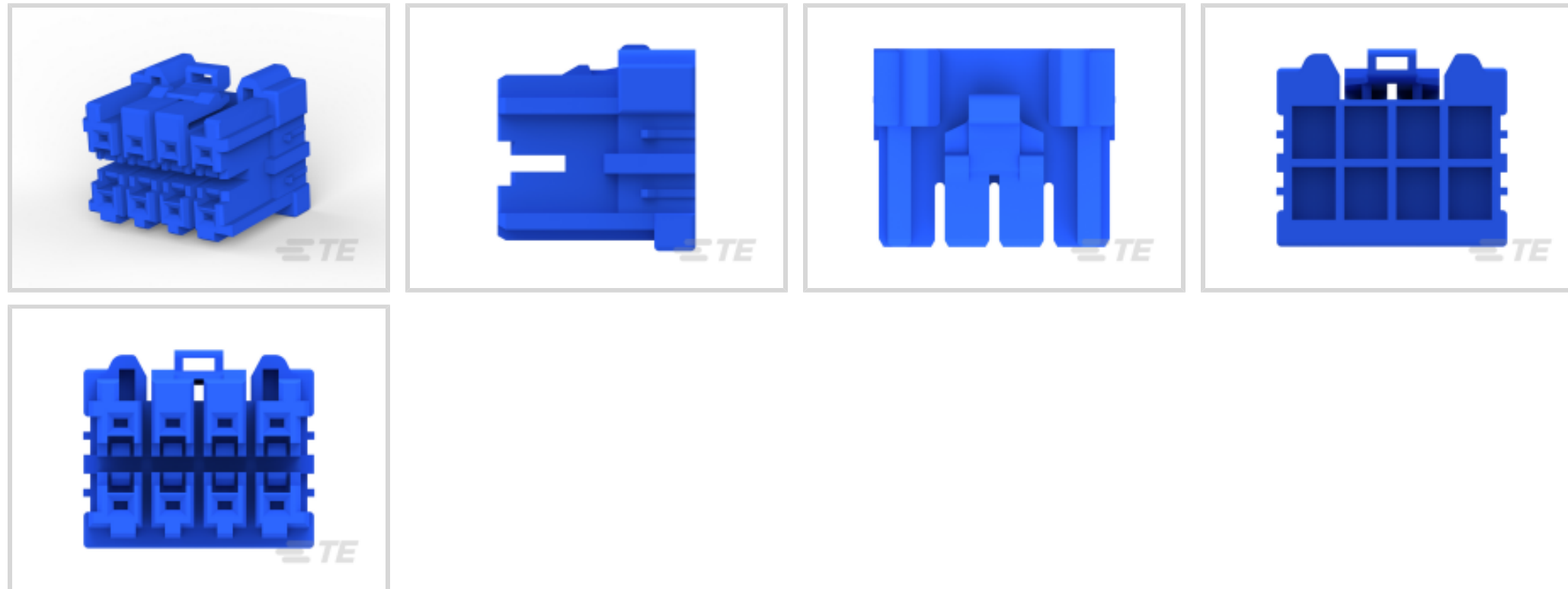
TE Internal #: 2-1827387-3

Housing, Plug, Wire-to-Board, 8 Position, 3.3 mm [.129 in]
Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 3.3,
Rectangular Power Connectors

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > Glow Wire GRACE INERTIA Plug



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **8**

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

[All Glow Wire GRACE INERTIA Plug \(78\)](#)

Features

Identification Marking

| | |
|--------------------------------|---------|
| Circuit Identification Feature | Without |
|--------------------------------|---------|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1500 |
| Packaging Method | Bag |

Contact Features

| | |
|--|----------------------------|
| Multiple Contact Types | Without |
| Contact Mating Area Plating Material | Tin |
| Contact Current Rating (Max) | 4 A |
| Contact Retention Within Housing | With |
| Contact Type | Receptacle |
| Contact Mating Area Plating Material Thickness | .8 μ m[31.49 μ in] |

Product Type Features



| | |
|-----------------------------------|---------------|
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|----------------------------|---|
| Number of Positions | 8 |
| Number of Power Positions | 8 |
| Number of Signal Positions | 8 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 3.3 mm [.129 in] |
| Housing Color | Blue |
| Housing Material | Nylon 6/6 GF |

Dimensions

| | |
|--------------------|----------------------|
| Wire Size | 414.44 – 1045.97 CMA |
| Row-to-Row Spacing | 5.2 mm [.205 in] |

Usage Conditions

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

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|------------------------|---------------------------|
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | GWT 750°C (Without Flame) |

Other

| | |
|--|--|
| | |
|--|--|



| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

| | | |
|---|--|---|
|  <p>TE Part # 1871567-1 GIC 3.3 PLUG HOUSING 6POS 1ROW</p> |  <p>TE Part # CAT-G7534-P729A Glow Wire GRACE INERTIA Plug</p> |  <p>TE Part # CAT-G7534-T669 GRACE INERTIA TPA</p> |
|---|--|---|

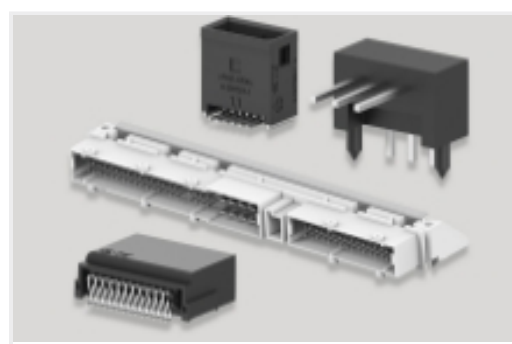
Also in the Series | GRACE INERTIA 3.3



Connector Contacts(3)



Connector Hardware(15)



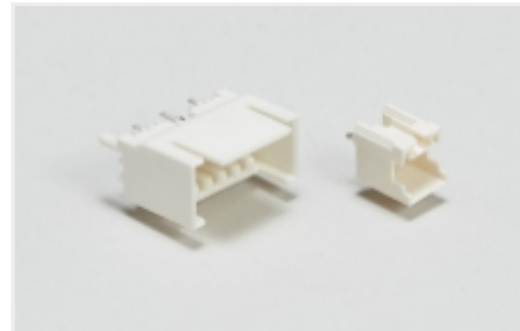
PCB Headers & Receptacles(36)



Power Contacts(3)



Rectangular Power Connectors(34)



Wire-to-Board Headers & Receptacles (36)

Customers Also Bought

TE Part #1-1123823-1
EP IP PLUG NATURALTE Part #3-1123823-1
EP IP PLUG BLUETE Part #CAT-G7534-P729A
Glow Wire GRACE INERTIA PlugTE Part #4-1123823-1
EP 1P PLUG REDTE Part #1827395-1
GIC 3.3 REC CONTACT TIN PLATETE Part #1565084-1
GRACE INERTIA CONNECTOR 3.5 6PTE Part #CAT-P8704-P729
STD Temp Power Key PlugTE Part #1-172128-1
FF 250 PLUG HSG 1P NYLON NAT

Documents

Product Drawings

[GIC 3.3 PLUG HOUSING 8P](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_2-1827387-3_E.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_2-1827387-3_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1827387-3_E.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

Japanese

[GRACE INERTIA CONNECTOR 3.3 CONTACT](#)

Japanese

Agency Approvals

[UL Report](#)

English