



GRACE INERTIA 6.0

TE Internal #: 2-2232875-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 2 Position, 6 mm [.236 in] Centerline, Wire & Cable, UL 94V-0, GRACE INERTIA 6.0

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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: **2**

Centerline (Pitch): **6 mm [.236 in]**

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

Features

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        | 2 |
| Number of Power Positions  | 2 |
| Number of Signal Positions | 2 |
| Number of Rows             | 1 |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 300 VDC |
|-------------------|---------|

Contact Features

|                                      |      |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Tin  |
| Contact Current Rating (Max)         | 10 A |
| Contact Retention Within Housing     | With |



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Type                                   | Receptacle      |
| Contact Mating Area Plating Material Thickness | .8 µm[31.5 µin] |

Termination Features

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

Mechanical Attachment

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

Housing Features

|                    |               |
|--------------------|---------------|
| Centerline (Pitch) | 6 mm[.236 in] |
| Housing Color      | Natural       |
| Housing Material   | Nylon 6/6 GF  |

Dimensions

|           |                    |
|-----------|--------------------|
| Wire Size | 434.2 – 2723.5 CMA |
|-----------|--------------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

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

Packaging Features

|                    |              |
|--------------------|--------------|
| Packaging Quantity | 5000         |
| Packaging Method   | Box & Carton |

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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |



|                           |                                                |
|---------------------------|------------------------------------------------|
| Halogen Content           | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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



TE Part # CAT-G7534-P729A  
Glow Wire GRACE INERTIA Plug



TE Part # 2-2232876-1  
GIC6.0MM CONNECTOR HEAD  
HOUSING ASS 2POS



TE Part # 3-2232876-1  
GIC6.0MM CONNECTOR HEAD  
HOUSING ASS 3POS



TE Part # 1747049-1  
GRACE INERTIA CONNECTOR 6.5  
3POS HEADER



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



TE Part # 2-2232876-2  
GIC6.0MM CONNECTOR HEAD  
HOUSING ASS 2POS



TE Part # 2-2232876-3  
GIC6.0MM CONNECTOR HEAD  
HOUSING ASS 2POS



TE Part # 2-2232876-4  
GIC6.0MM CONNECTOR HEAD  
HOUSING ASS 2POS

Also in the Series | GRACE INERTIA 6.0



Rectangular Power Connectors(4)

Customers Also Bought





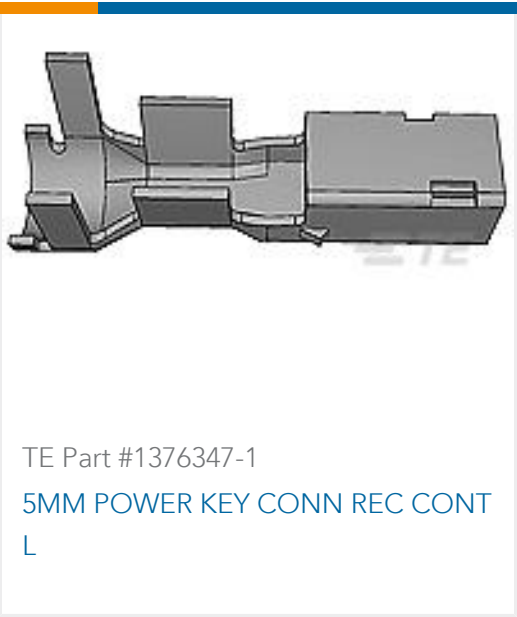
TE Part #5499374-1  
A/L UNIV HDR 10P VERT SHT LAT



TE Part #2-35106-1  
TERMINAL,PIDG R 16-14HD 8



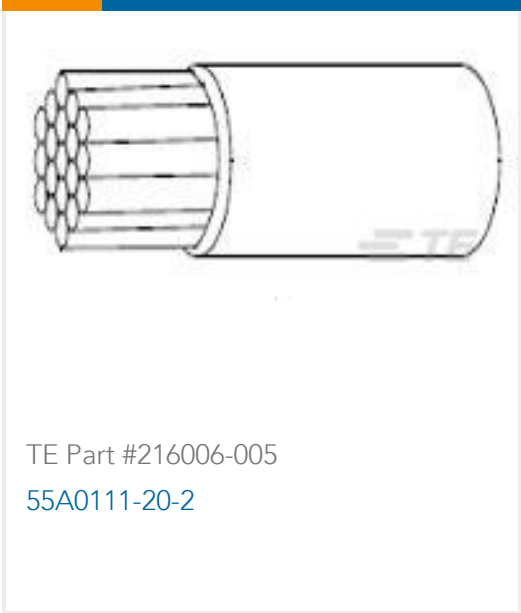
TE Part #6116173-4  
INV MJ,1X1,PNL GRD,SHLD,LED (Y/G)



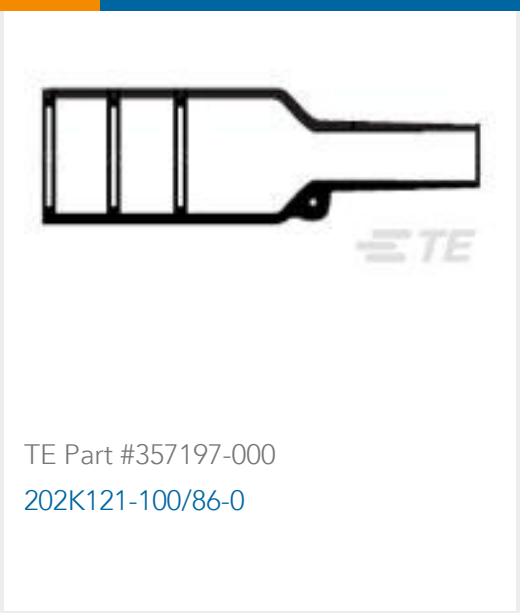
TE Part #1376347-1  
5MM POWER KEY CONN REC CONT L



TE Part #316039-004  
55A1121-24-0/9-9



TE Part #216006-005  
55A0111-20-2



TE Part #357197-000  
202K121-100/86-0



TE Part #2-1903414-1  
GHC 9.0 3POS PLUG HSG BLUE



TE Part #2-1903415-1  
GHC 9.0 3POS HDR ASSY BLUE

Documents

Product Drawings  
GIC6.0MM CONNECTOR PLUG HOUSING 2POS  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2-2232875-1\_A.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2-2232875-1\_A.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2-2232875-1\_A.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



[1-1773873-1 6.0mm GRACE INERTIA connector flyer](#)

English

[1-1773883-5 GRACE INERTIA connector quick reference guide](#)

English

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[Product Specifications](#)

[Engineering Specification](#)

English