



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Lead Assembly**  
Operating Voltage: **27000 VDC**  
Connector System: **Wire-to-Panel**  
Number of Positions: **7**  
Sealable: **No**

Features

Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Connector Product Type            | Lead Assembly |
| Connector System                  | Wire-to-Panel |
| Sealable                          | No            |
| Connector & Contact Terminates To | Wire & Cable  |
| Connector & Housing Type          | Plug          |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 7 |
|---------------------|---|

Electrical Characteristics

|                   |           |
|-------------------|-----------|
| Operating Voltage | 27000 VDC |
|-------------------|-----------|

Body Features

|                       |         |
|-----------------------|---------|
| Positive Stop Ferrule | Without |
|-----------------------|---------|

Contact Features

|                    |         |
|--------------------|---------|
| Contact Type       | Pin     |
| Contact Protection | Without |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| Panel Mount Feature Type | Retaining Ring |
| Mating Alignment         | With           |
| Connector Mounting Type  | Panel Mount    |



Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

|          |    |
|----------|----|
| Shielded | No |
|----------|----|

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                       |
| EU ELV Directive 2000/53/EC                   | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                            |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2022 (224)<br>SVHC > Threshold:<br>Pb (4% in Contact/Component)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                                  |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                                    |

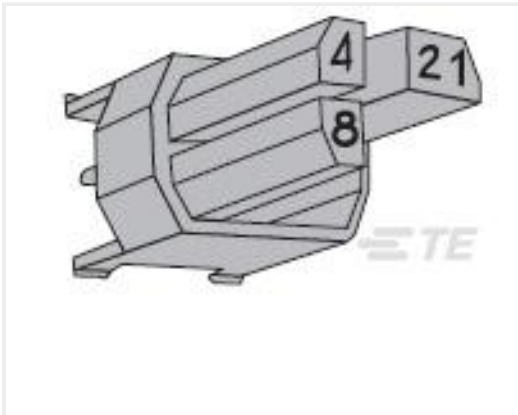
Product Compliance Disclaimer

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>

Customers Also Bought



TE Part #CONSMA002-L  
SMA Jack 50 Ohm PCB Through Hole



TE Part #3-100525-2  
Z-PACK M.CODING KEY



TE Part #202236-1  
III+ PIN,SOLTAB,30AU,10AU FLASH,LP



TE Part #859526-4  
4 CAV FLANGED RECEPT KIT



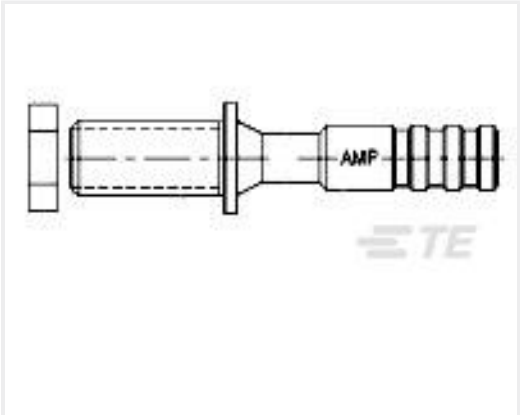
TE Part #860267-1  
LGH-6 PIN HV PLUG ASY



TE Part #5-861610-3  
LGH, HIGH VOLTAGE PLUG



TE Part #861647-1  
RECPT FLANGED H.V. 7 CONTACTS



TE Part #5-862197-3  
LGH, RECEPTACLE ASS'Y



TE Part #1735447-3  
HPI 2.0 RECEPTACLE HOUSING, 3P



TE Part #5747497-4  
50 PLUG RA/MS STD (SL)

Documents

Product Drawings  
PLUG ASSY HV 7 PIN

English

CAD Files  
3D PDF

3D

Customer View Model  
ENG\_CVM\_CVM\_861648-7\_M.2d\_dxf.zip

English

Customer View Model  
ENG\_CVM\_CVM\_861648-7\_M.3d\_igs.zip

English

Customer View Model  
ENG\_CVM\_CVM\_861648-7\_M.3d\_stp.zip

English

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

Instruction Sheets

861648-7

7 Position Circular Power Connector, Lead Assembly, 27000 VDC, Wire-to-Panel, Wire & Cable, Plug, Pin, Panel Mount, -55 – 125 °C [-67 – 257 °F]



Instruction Sheet (U.S.)

English