

1-863701-3 ✓ ACTIVE

LGH

TE Internal #: 1-863701-3

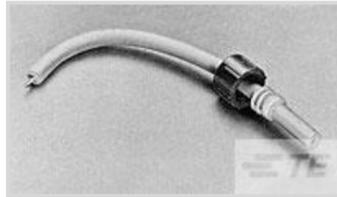
Circular Power Connectors, Lead Assembly, 20000 VDC, 16 AWG

Wire Size, Wire-to-Wire, Wire & Cable, Receptacle, Socket, -55 – 125 °C [-67 – 257 °F]

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Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Lead Assembly**

Operating Voltage: **20000 VDC**

Wire Size: **16 AWG**

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

Sealable: **No**

Features

Product Type Features

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

Electrical Characteristics

| | |
|-------------------|-----------|
| Operating Voltage | 20000 VDC |
|-------------------|-----------|

Body Features

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

Contact Features

| | |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

Termination Features

| | |
|------------------------------------|-------------------------|
| Termination Method to Wire & Cable | Pre-Terminated to Cable |
|------------------------------------|-------------------------|

Dimensions

| | |
|-----------------|----------------------|
| Wire Size | 16 AWG |
| Assembly Length | 1219.2 mm[48.036 in] |

Usage Conditions



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

Operation/Application

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

Packaging Features

| | |
|--------------------|---------|
| Packaging Method | Package |
| Packaging Quantity | 10 |

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| 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 2022 (224) Candidate List Declared Against: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | Not Yet Reviewed for halogen content |
| 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Documents

Product Drawings

[LGH-1 LEAD MLD END](#)

English



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-863701-3_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-863701-3_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-863701-3_K.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

Products for Aerospace and Defense

English

Product Specifications

Product Specification

English