225857-E ✔ ACTIVE

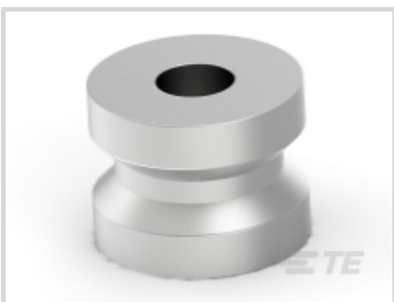
ERNI | ERNI PowerElements

TE Internal #: 225857-E

Receptacle Power Terminal, 1 Position, Terminates To Printed Circuit Board, Vertical, Tin (Sn), Tin PCB Termination Plating, ERNI PowerElements

View on TE.com >

Terminals & Splices > Power Terminals



Power Terminal Type: **Receptacle Power Terminal**

Product Terminates To: **Printed Circuit Board**

Number of Positions: **1**

Contact Current Rating (Max): **160 A**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Power Terminal Type	Receptacle Power Terminal

Configuration Features

Number of Positions	1
PCB Mount Orientation	Vertical

Body Features

Terminal Profile	Low

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
Contact Current Rating (Max)	160 A
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	5 – 10 µm[196.85 – 393.7 µin]
PCB Contact Termination Area Plating Material	Tin

PCB Contact Termination Area Plating Material Thickness	5 – 10 µm[196.85 – 393.7 µin]
Contact Base Material	Copper Alloy

Termination Features

Termination Method to PCB	Surface Mount
Product Terminates To	Printed Circuit Board

Mechanical Attachment

Thread Size	M4

Usage Conditions

Operating Temperature Range	-40 – 155 °C[-40 – 311 °F]

Packaging Features

Packaging Method	Package

Product Compliance

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

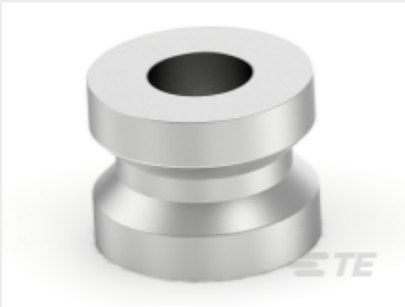
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: FEB 2026 (253) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3% in Component) Article Safe Usage Statements: 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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

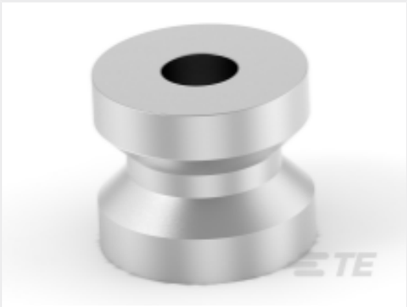
as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



TE Part # 225858-E
POWELM BUCHSE * M5 4 * * SMD 7 SN * * J

TE Part # 225860-E
POWELM BUCHSE * M8 8 * * SMD 13,5 SN * *



TE Part # 225856-E
POWELM BUCHSE * M3 3,5 * * SMD 6 SN * 00

Also in the Series | ERNI PowerElements

Power Terminals(32)

Customers Also Bought

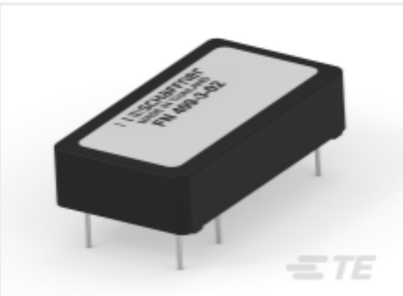
TE Part #225858-E
POWELM BUCHSE * M5 4 * * SMD 7 SN * * J

TE Part #474811-E
SRCA 1,27 8 M 1-KS SMD 137 E1 094 * GURT

TE Part #NB-PTCO-170
Pt1000, 2.0x5.0, Class A, PTFD102A1A0

TE Part #800579-SF
FN2070-16-06

TE Part #225859-E
POWELM BUCHSE * M6 6,5 * * SMD 11,5 SN *

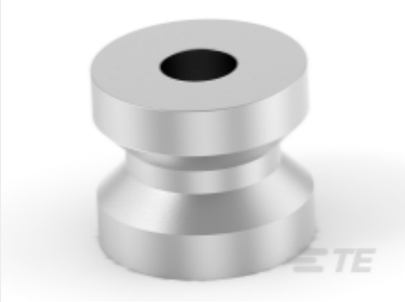


TE Part #819398-SF
FN409-3-02

TE Part #1-106505-2
9P.HDP20 REC.ASSY.

TE Part #1-2176230-1
3522 5R6 5% 3W

TE Part #L9000276-01
SMA Plug 50 Ohm .062 PCB Edge Mount



TE Part #225856-E
POWELM BUCHSE * M3 3,5 * * SMD 6 SN * 00

Documents

Product Drawings

POWELM BUCHSE * M4 4 * * SMD 7 SN * 0007

German

CAD Files

Customer View Model

ENG_CVM_CVM_225857-E_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_225857-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_225857-E_1.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

Data Sheet - ERNI PowerElements

English

Data Sheet - ERNI PowerElements

German

Product Specifications

Application Specification

English