

OJE-SH-112LM,000

✓ ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

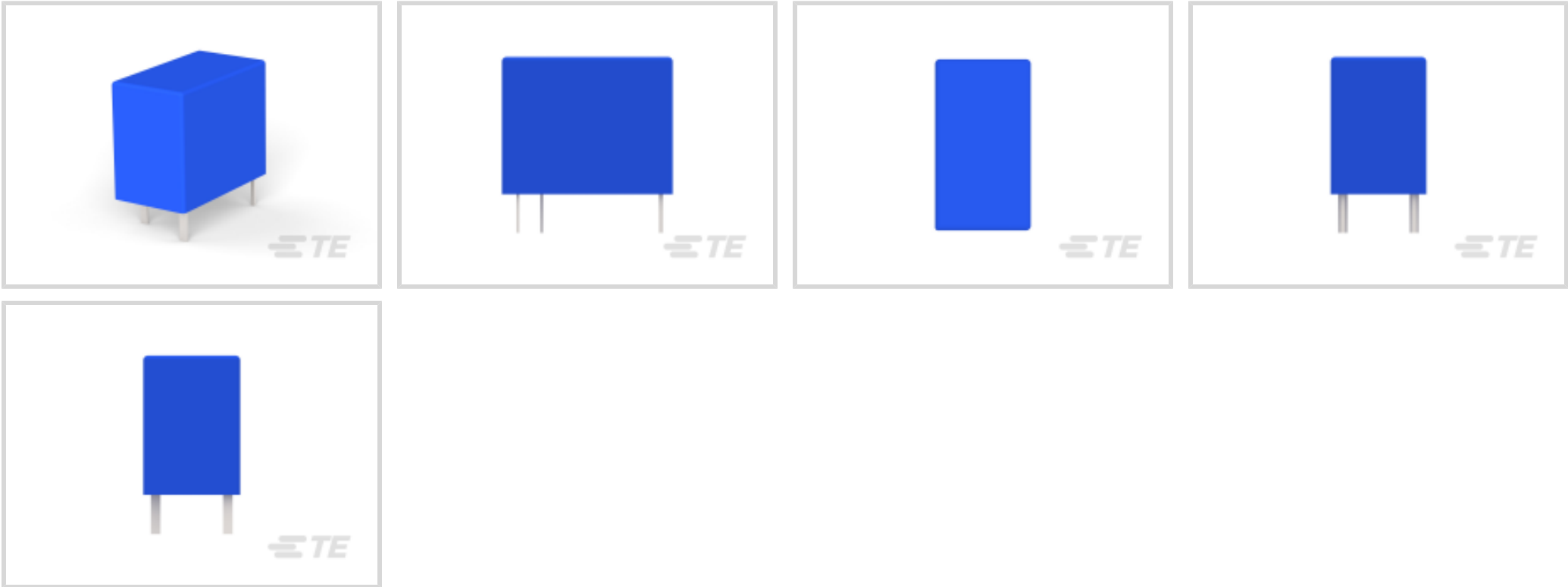
TE Internal #: 1461401-5

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 3 A Contact Rating, 12 VDC Coil Voltage, OEG Miniature PCB Relay OJ/OJE

[View on TE.com >](#)



Relays & Contactors > Electromechanical Relays > STD OEG Miniature PCB OJ/OJE Pow Relays



Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Contact Current Rating: **3 A**

[All STD OEG Miniature PCB OJ/OJE Pow Relays \(65\)](#)

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Number of Poles	1
Coil Special Features	UL Coil Insulation Class E
Contact Arrangement	1 Form A SPST-NO

Electrical Characteristics

Contact Limiting Short-Time Current	3 A
Contact Limiting Making Current	3 A
Contact Limiting Continuous Current	3 A
Contact Limiting Breaking Current	3 A
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Switching Voltage (Max)	277 VAC



Contact Switching Load (Min)	100mA @ 5V
Coil Resistance	720 Ω
Contact Current Rating	3 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	30 VDC
Coil Power Rating DC	.2 W
Insulation Initial Dielectric Between Contacts & Coil	3000 Vrms

Body Features

Product Weight	9 g[.318 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	AgNi
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Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount
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Dimensions

Insulation Clearance Between Contact & Coil	3.2 mm[.129 in]
Insulation Creepage Between Contact & Coil	3.6 mm[.141 in]
Product Width	10.2 mm[.401 in]
Product Length	18.2 mm[.716 in]
Product Height	14.7 mm[.58 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	105 °C[221 °F]

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

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Packaging Method	Box & Tray, Tray
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Other

Coil Power Rating Class	.15 – .2 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	85 – 105 °C
Height Class (Mechanical)	14 – 15 mm
Length Class (Mechanical)	16 – 20 mm
Width Class (Mechanical)	10 – 12 mm

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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-OE4-OJ1
STD OEG Miniature PCB OJ/OJE Pow
Relays

Also in the Series

OEG Miniature PCB Relay OJ/OJE



General Purpose Power Relays(67)

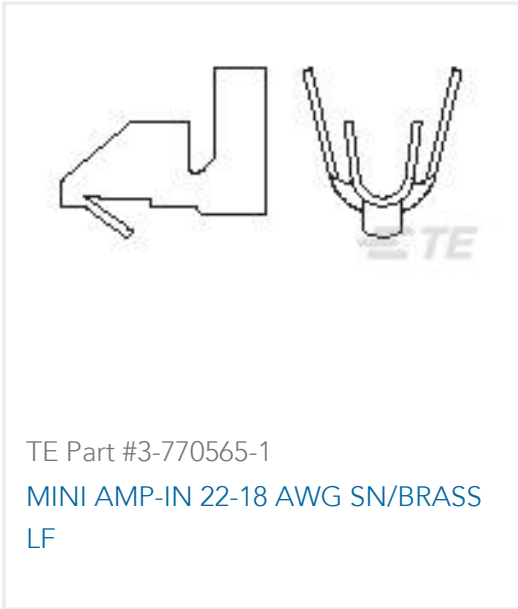


PCB Relays(67)

Customers Also Bought



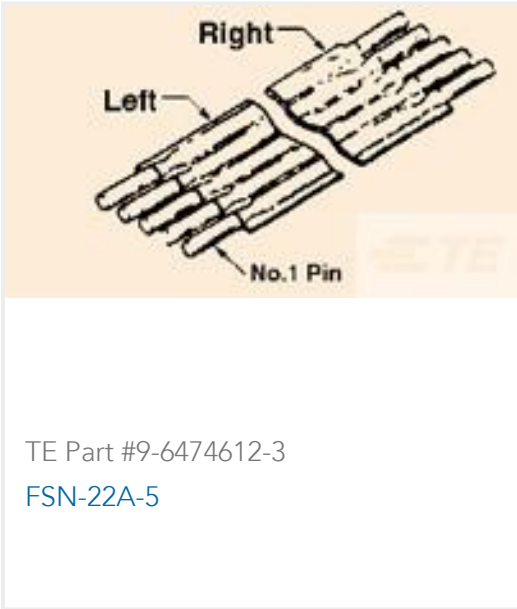
TE Part #172732-2
POST HEADER 2P EIS WITH KINK



TE Part #3-770565-1
MINI AMP-IN 22-18 AWG SN/BRASS
LF



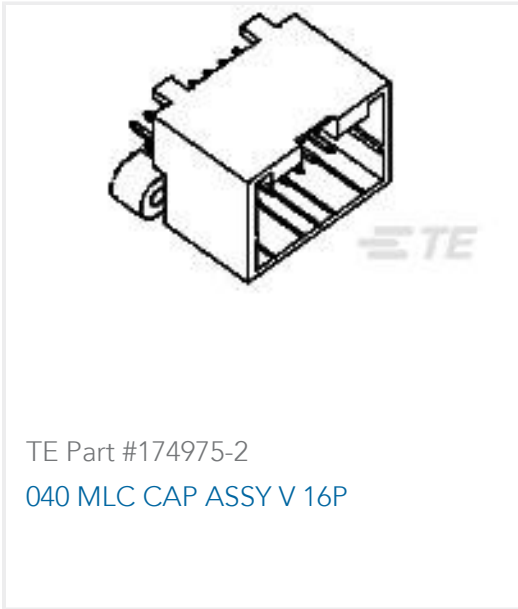
TE Part #4-2176238-4
CPF A 0805 5K1 0.1% 25PPM 5K RL



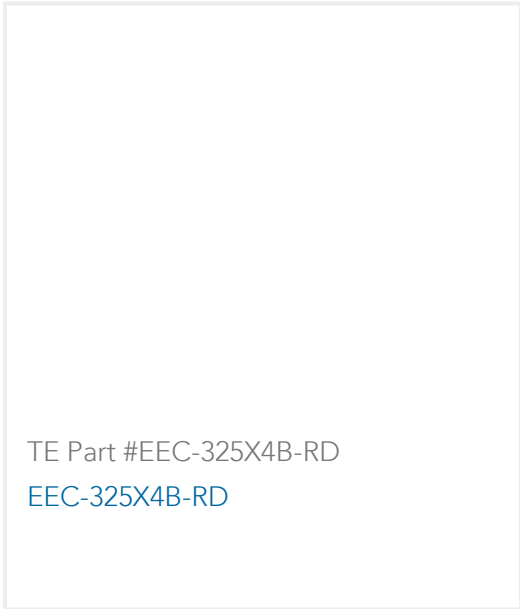
TE Part #9-6474612-3
FSN-22A-5



TE Part #4-2176070-8
3521 910R 1% 2W



TE Part #174975-2
040 MLC CAP ASSY V 16P



TE Part #EEC-325X4B-RD
EEC-325X4B-RD



TE Part #2-1703930-1
NANOMQS, RECEPTACLE TERMINAL



TE Part #2176326-8
CRGP 0603 39R 1%



TE Part #8-1624112-1
3650 0603 36nH 5% 2K RL



Documents

Product Drawings

OJE-SH-112LM,000

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1461401-5_B3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1461401-5_B3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1461401-5_B3.3d_stp.zip

English

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

Datasheets & Catalog Pages

OJ_OJE Series Relay Data Sheet English

English

Product Specifications

OJE-SH-112LM,000 Spec Sheet

Japanese

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English