PCJ-105D3M,301 ✔ ACTIVE

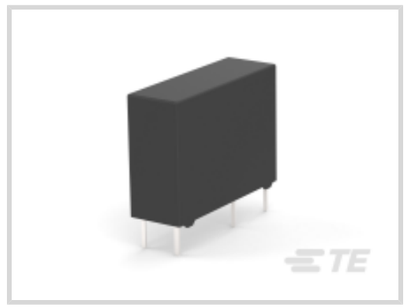
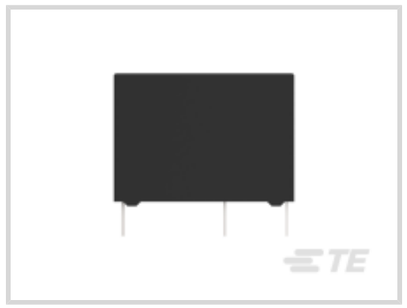
OEG | OEG Miniature PCB Relay PCJ

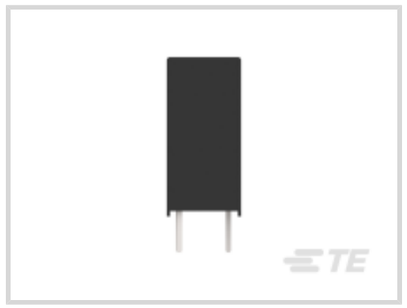
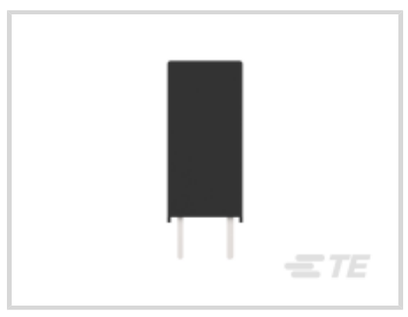
TE Internal #: 1721081-2

OEG Miniature PCB Relay PCJ, Power Relays, Standard, Monostable, DC, 150 – 200mW Coil Power Rating Class, 200mW Coil Power Rating DC

View on TE.com >

Relays, Contactors & Switches > Relays > Power Relays > PCN 3A/5A SLIM PCB RELAY 3VDC

Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **150 – 200 mW**

Coil Power Rating DC: **200 mW**

Coil Resistance: **125 Ω**

All PCN 3A/5A SLIM PCB RELAY 3VDC (42)

Features

Product Type Features

Power Relay Type	Standard

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Making Current	3 A
Contact Limiting Short-Time Current	3 A
Contact Limiting Continuous Current	3 A
Insulation Creepage Class	5.5 – 8 mm
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Initial Resistance	1000 MΩ
Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Contact Limiting Breaking Current	3 A
Coil Magnetic System	Monostable, DC

Coil Power Rating Class	150 – 200 mW
Coil Power Rating DC	200 mW
Coil Resistance	125 Ω
Coil Special Features	UL Coil Insulation Class A
Coil Voltage Rating	5 VDC
Contact Switching Load (Min)	100mA @ 5V
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	250 VAC

Body Features

Insulation Special Features	7000V Initial Surge Withstand Voltage between Contacts & Coil
Product Weight	4 g[.141 oz]

Contact Features

Contact Arrangement	1 Form A (NO)
Contact Current Class	2 – 5 A, 16 A
Contact Current Rating (Max)	3 A
Contact Material	AgNi
Contact Number of Poles	1
Terminal Type	PCB-THT

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	20 – 25 mm
Insulation Clearance Class	5 – 8 mm
Height Class (Mechanical)	14 – 15 mm
Insulation Clearance Between Contact & Coil	7.5 mm[.295 in]
Width Class (Mechanical)	6 – 8 mm
Product Width	7 mm[.276 in]
Product Length	20.39 mm[.803 in]
Product Height	15.01 mm[.591 in]

Usage Conditions

Environmental Ambient Temperature Class	70 – 85 °C

Environmental Ambient Temperature (Max)	85 °C[185 °F]

Packaging Features

Packaging Method	Bundle

Product Compliance

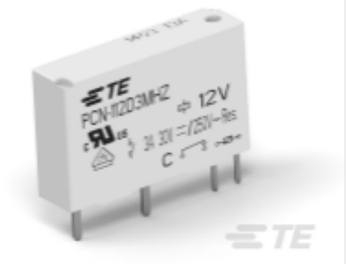
For compliance documentation, visit the product page on TE.com>

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

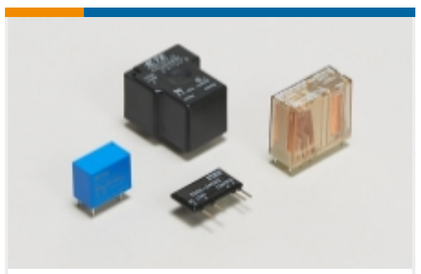
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-P299A
PCN 3A/5A SLIM PCB RELAY 3VDC

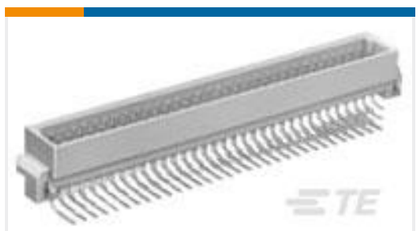
Also in the Series | OEG Miniature PCB Relay PCJ



Power Relays(42)

Customers Also Bought

TE Part #1-1625827-1
Metal Chip Resistor: Current Sense



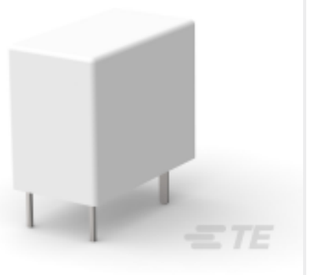
TE Part #9-1393644-4
V42254B1200C963=PC612 MESSERLE

TE Part #1-2106431-1
Connector, SMT-IDC PASS THRU, 1 POS, 20

TE Part #1310851-1
B65N07G999X,SMB PCB VERT SOCKE

TE Part #1-1625812-2
3631B 47UH 15% FIO

TE Part #1393224-9
RYA31012



TE Part #1-1419129-8
STD OEG Miniature PCB OJ/OJE Pow Relays

TE Part #106066-2
SHLD MOD JACK LOW-PRO 8 POS

TE Part #1-5172034-1
MIC 11POS CAP ASSY V AU

Documents

Product Drawings

PCJ-105D3M,301

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1721081-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1721081-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1721081-2_F.3d_stp.zip

English

Datasheets & Catalog Pages

PCJ Series Relay Data Sheet English

English

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

Product Specification

Japanese

Product Environmental Compliance

MD_1721081-2_111920182335_dmtec

English

MD_1721081-2_111920182335_dmtec

English