# PCJ-112D3M,303 <

### OEG | OEG Miniature PCB Relay PCJ

TE Internal #: 1721531-2 OEG Miniature PCB Relay PCJ, Power Relays, Standard, Monostable, DC, 150 – 200mW Coil Power Rating Class, 200mW Coil Power Rating DC

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Power Relay Type: Standard

Coil Magnetic System: Monostable, DC

Coil Power Rating Class: 150 – 200 mW

Coil Power Rating DC: 200 mW

Coil Resistance: 720  $\Omega$ 

### 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	5 A
Contact Limiting Short-Time Current	5 A
Contact Limiting Continuous Current	5 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	5 A
Coil Magnetic System	Monostable, DC

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



Insulation Special FeaturesCO00V Initial Surge Withstand Voltage between Contacts & CoilProduct Weight4 g[.141 or]Product Weight4 g[.141 or]Contact Features1Contact Features2 – 5 A, 16 AContact Current Class2 – 5 A, 16 AContact Current Rating (Max)5 AContact MaterialAgNiContact MaterialAgNiContact Number of Poles1Contact Number of Poles1Relay Mounting TypePrinted Circuit BoardPrinted Circuit Board2 – 8 mmInsulation Clearance Class5 – 8 mmInsulation Clearance Between Contact & Coil3.5 mm[.295 in]Vidth Class (Mechanical)6 – 8 mmProduct Weight20.39 mm[.803 in]Product Height5.3 mm[.591 in]		
Coll Resistance200Coll Special FeaturesUL Coll Insulation Class AColl Voltage Reting12 VDCContact Switching Load (Min)500 VDCContact Switching Voltage (Max)30 VDCContact Switching Voltage (Max)500 VDCContact Voltage Reting200 VDCScore200 VDCProduct Weight0000 Initial Surge Withstand Voltage Setween Contacts & CollProduct Weight0000 Initial Surge Withstand Voltage Setween Contacts & CollContact Current Class10000 Initial Surge Withstand Voltage Setween Contacts & CollContact Current Class2 S A 16 AContact Current Rating (Max)5 AContact Current Rating (Max)5 AContact Number of Poles1Terminal TypePCB THTVectorical Attachment5 A remProduct Setween Contact & Coll9 - 25 mmInsulation Clearance Class5 - 8 mmInsulation Clearance Class5 - 8 mmInsulation Clearance Between Contact & Coll1 - 15 mmProduct Weight6 - 8 mmProduct Length7 mm (276 in]Product Length0.39 mm, B03 in]<	Coil Power Rating Class	150 – 200 mW
Coil Special FeaturesUL Coil Insulation Class ACoil Voltage Rating12 VDCContact Switching Load (Min)100mA @ SVContact Switching Voltage (Max)30 VDCContact Switching Voltage (Max)250 VACContact Voltage Rating200 VDCContact Voltage Rating200 VDCProduct Weight4g1(14 oz]Contact Fastures1Contact Current Class2 - 5 A, 16 AContact Current Class2 - 5 A, 16 AContact Current Rating (Max)5 AContact Number of Poles1Contact Number of Poles1Rating TypePrinted Circuit BoardNeutring Type20 - 2 mmRating Class (Mechanical)3 - 2 mmInsulation Clearance Class- 3 mmInsulation Clearance Class- 4 mmInsulation Clearance Class- 5 mmInsulation Clearance Class- 5 mmInsulation Clearance Class- 5 mmInsulation Clearance Class- 6 mmInsulation Clearance Class- 2 mmInsulation Clearance Class- 2 mmInsulation Clearance Class- 2 mmInsulation Clearance Class- 2 mmInsulation Clearance Class- 3 mmInsulation Clearance Class- 3 mmInsulation Clearance Class- 3 mmInsulation Clearance Class- 3 mmPre	Coil Power Rating DC	200 mW
Coll Voltage Rating12 VDCContact Switching Load (Min)100mA & 5VContact Switching Voltage (Max)30 VDCContact Voltage Rating250 VACSody FeaturesVoltage National Surge Wichstand Voltage hetween Contracts & CollProduct Weight4 gl.141 ozlProduct Weight4 gl.141 ozlContact Current Class2 - 5 A, 16 AContact Current Rating (Max)5 AContact Current Rating (Max)1 Form A (NO)Contact Material30 VDCContact Material30 VDCContact Material4 SilveContact Material1 SilveRelay Mounting TypeVoltage National SilvePrinted Class (Mechanical)5 - 8 mmInsulation Clearance Class5 - 8 mmInsulation Clearance Class5 - 8 mmInsulation Clearance Class5 - 8 mmHeight Class (Mechanical)6 - 8 mmProduct Weight90.39 mmi.803 ini]Product Height90.39 mmi.803 ini]Product Height90.39 mmi.803 ini]	Coil Resistance	720 Ω
Contact Switching Load (Min)100mA & SVContact Switching Voltage (Max)30 VDCContact Voltage Rating250 VACSody Features7000V Initial Surge Withstand Voltage between Contacts & CollProduct Weight4 gf.141 or]Contact Arrangement1 Form A (NO)Contact Gurrent Class2 – 5 A, 16 AContact Gurrent Class30 AContact MaterialAgNiContact MaterialAgNiContact MaterialContact Gurrent ClassContact Material2 – 5 A, 16 AContact MaterialS AContact Number of Poles1Terminal TypeVCB-THTVelantact Science2Sinasions2Length Class (Mechanical)20 – 25 nmInsulation Clearance Class5 – 8 nmHeight Class (Mechanical)5 – 8 nmInsulation Clearance Between Contact & Coil7.5 mmi, 225 injWidth Class (Mechanical)6 – 8 nmInsulation Clearance Between Contact & Coil6.3 mmProduct Weight20.39 rmi, 203 injProduct Length20.39 rmi, 203 injProduct Length20.39 rmi, 203 injProduct Length5.01 rmi, 591 injWidth Class (Mechanical)5.01 rmi, 591 injProduct Length5.01 rmi, 591 injProduct Length<	Coil Special Features	UL Coil Insulation Class A
Contact Switching Voltage (Max)30 VDCContact Voltage Rating50 VACContact Voltage Rating50 VACSold/ Features7000V Initial Surge Withstand Voltage between Contacts & CollProduct Weight4 gl.141 ozlContact Features1 Form A (NO)Contact Grant Class2 -5 A, 16 AContact Current Class3 AContact Material3 AContact Number of Poles1Terminal TypePCB-THTRelay Mounting TypePrinted Circuit BoardPrinted Class (Mechanical)2 -5 A mmInsulation Clearance Batween Contact & Coll3 -5 mmHeight Class (Mechanical)2 -5 mmInsulation Clearance Batween Contact & Coll3 -5 mmInsulation Clearance Batween Contact & Coll3 -5 mmProduct Weight1 -15 mmProduct Uright3 -5 mmProduct Length7 -5 mm (275 in)Weith Class (Mechanical)6 -8 mmProduct Length7 -5 mm (276 in)Product Length3 -3 -3 mm (303 in)Product Length3 -3 mm (303 in)Product Lengt	Coil Voltage Rating	12 VDC
Contact Voltage Rating250 VACBody Fectures7000V Initial Surge Withstand Voltage between Contacts & CollProduct Weight4 gl.141 oz]Product Weight4 gl.141 oz]Contact Fectures1Contact Current Class2–5 A, 16 AContact Current Rating (Max)5 AContact MaterialAgNiContact MaterialAgNiContact Number of Poles1Terminal TypePCB-THTRelay Mounting TypePrited Circuit BoardDirentsions2–25 mmLength Class (Mechanical)2–25 mmInsulation Clearance Class5–8 mmHeight Class (Mechanical)1Vidth Class (Mechanical)2.5 mm.295 in]Vidth Class (Mechanical)2.5 mm.295 in]Product Width7 mm.276 in]Product Length2.03 mm.803 in]Product Length1501 mm.591 in]Product Length1501 mm.591 in]	Contact Switching Load (Min)	100mA @ 5V
Body Features       2000V Initial Surge Withstand Voltage between Contacts & Coil         Product Weight       4 g(141 o2)         Contact Features       2         Contact Features       1         Contact Current Class       2 - 5 A, 16 A         Contact Current Rating (Max)       5 A         Contact Current Rating (Max)       6 No         Contact Current Rating (Max)       1         Contact Current Rating (Max)       6 No         Contact Current Rating (Max)       9 Ni         Relay Mounting Type       Pinted Circuit Board         Relay Mounting Type       9 Ni         Langth Class (Mechanical)       9 - 25 mi         Insulation Clearance Class       5 - 8 mi         Insulation Clearance Retween Contact & Coil       6 - 8 mi         Norder Langth       1 - 15 min         Vidth Cl	Contact Switching Voltage (Max)	30 VDC
Insulation Special Features       20000 Initial Surge Withstand Voltage between Contacts & Coil         Product Weight       4 gl.141 o7         Contact Features       1         Contact Features       2 – 5 A, 16 A         Contact Current Class       2 – 5 A, 16 A         Contact Gurent Rating (Max)       5 A         Contact Material       4gli 1 – 2         Contact Material       5 A         Contact Mumber of Poles       1         Terminal Type       PCB-THT         Vechanical Attachment       Vechanical Material         Relay Mounting Type       Pointed Circuit Board         Insulation Clearance Class       5 – 8 mm         Insulation Clearance Class       5 – 8 mm         Insulation Clearance Between Contact & Coil       1 – 5 mm         Vidth Class (Mechanical)       1 – 5 mm (295 in)]         Vidth Class (Mechanical)       6 – 8 mm         Product Width       6 – 8 mm         Product Length       20.39 mm (303 in]         Product Length       20.39 mm (303 in]         Product Length       5.01 mm (591 in)	Contact Voltage Rating	250 VAC
isetween Contacts & Coil           Product Weight         4gl.141 ogl           Contact Features         1           Contact Arrangement         1 Form A (NO)           Contact Current Class         2–5 A, 16 A           Contact Current Rating (Max)         5 A           Contact Material         AgNi           Contact Number of Poles         1           Terminal Type         PCB-THT           Vectarical Attachment         Vectorical Board           Printed Class (Mechanical)         0           Insulation Clearance Class         5–8 mm           Number of Poles         5–8 mm           Insulation Clearance Between Contact & Coil         5–8 mm           Number of Poles         5–8 mm           Insulation Clearance Between Contact & Coil         6–8 mm           Nuth Class (Mechanical)         6–8 mm           Product Width         5–9 mm[295 in]           Product Length         0.39 mm[203 in]           Product Length         5.01 mm[591 in]	Body Features	
Contact Features         Contact Arrangement       1 Form A(NO)         Contact Current Class       2–5 A, 16 A         Contact Current Rating (Max)       5 A         Contact Material       AgNi         Contact Mumber of Poles       1         Contact Attachment       PCB-THT         Vechanical Attachment       PCB-THT         Relay Mounting Type       Printed Circuit Board         Printed Circuit Board       5–8 mm         Insulation Clearance Class       5–8 mm         Neight Class (Mechanical)       1–15 mm         Insulation Clearance Between Contact & Coil       5–8 mm         Yidth Class (Mechanical)       7.5 mm[.295 in]         Yidth Class (Mechanical)       6–8 mm         Product Width       7 mm[.276 in]         Product Length       20.39 mm[.803 in]         Product Length       15.01 mm[.591 in]	Insulation Special Features	
Contact Arrangement       1 Form A (NO)         Contact Current Class       2 - 5 A, 16 A         Contact Current Rating (Max)       5 A         Contact Material       AgNi         Contact Number of Poles       1         Contact Attachment       PCB-THT         Relay Mounting Type       Pinted Circuit Board         Predentical Attachment       S - 3 mm         Public Class (Mechanical)       2 - 25 mm         Insulation Clearance Class       5 - 8 mm         Nichl Class (Mechanical)       5 - 8 mm         Insulation Clearance Class       5 - 8 mm         Vidth Class (Mechanical)       5 - 8 mm         Nichl Clearance Between Contact & Coil       5 - 8 mm         Yidth Class (Mechanical)       5 - 8 mm         Nichl Clearance Between Contact & Coil       6 - 8 mm         Yidth Class (Mechanical)       6 - 8 mm         Product Width       0.39 mm[.803 in]         Product Length       0.39 mm[.803 in]         Product Length       5.01 mm[.591 in]	Product Weight	4 g[.141 oz]
Contact Current Class2–5A, 16 AContact Current Rating (Max)5AContact MaterialAgNiContact Number of Poles1Terminal TypePCB-THTRelay Mounting TypePrinted Circuit BoardPresentation2–25 mmLength Class (Mechanical)2–25 mmInsulation Clearance Class5–8 mmInsulation Clearance Between Contact & Coil3–5 mmWidth Class (Mechanical)1–15 mmInsulation Clearance Between Contact & Coil3–5 mmWidth Class (Mechanical)5–8 mmProduct Width6–8 mmProduct Length0.39 mm[.803 in]Product Length5.01 mm[.591 in]Product Length1.501 mm[.591 in]Product Meight1.501 mm[.501 in]Product Meight1.501 mm[.501 in]Product Me	Contact Features	
Contact Current Rating (Max)S AContact MaterialAgNiContact Number of Poles1Terminal TypePCB-THTRelay Mounting TypePrinted Circuit BoardVectoriation20-25 mmLength Class (Mechanical)0-25 mmInsulation Clearance Class5-8 mmHeight Class (Mechanical)14-15 mmInsulation Clearance Between Contact & Coil5-8 mmYodtu Lingth7.5 mmi.295 injProduct Width7.5 mmi.295 injProduct Length0.39 mmi.803 injProduct Length10.39 mmi.803 injProduct Height10.11 mm.591 injUser Contact Note10.11 mm.591	Contact Arrangement	1 Form A (NO)
Contact MaterialAgNiContact Number of Poles1Terminal TypePCB-THTReharman ExtrementPrinted Circuit BoardRelay Mounting TypePrinted Circuit BoardInsulation Clearance Class20-25 mmHeight Class (Mechanical)20-25 mmInsulation Clearance Between Contact & Coil3-8 mmNumber Of Clearance Between Contact & Coil5-8 mmYidth Class (Mechanical)14-15 mmProduct Width6-8 mmProduct Length7 mm (276 in]Product Length5.01 mm (591 in)Product Height15.01 mm (591 in)Stage ConditionsStage Conditions	Contact Current Class	2 – 5 A, 16 A
Contact Number of Poles       1         Terminal Type       PCB-THT         Rehanical Attachment       Printed Circuit Board         Relay Mounting Type       Printed Circuit Board         Dimensions       Softward         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]         Vidth Class (Mechanical)       6-8 mm         Product Width       20.39 mm[.803 in]         Product Length       20.39 mm[.803 in]         Product Length       15.01 mm[.591 in]         Used Conditions       Softward	Contact Current Rating (Max)	5 A
Terminal TypePCB-THTReharical AttachmentPrinted Circuit BoardRelay Mounting TypePrinted Circuit BoardDimensions20-25 mmLength Class (Mechanical)20-25 mmIsulation Clearance Class5-8 mmHeight Class (Mechanical)14-15 mmIsulation Clearance Between Contact & Coil75 mm.295 injlWidth Class (Mechanical)6-8 mmProduct Width70m.276 injlProduct Length20.39 mm.803 injlProduct Length15.01 mm.591 injlUsage Conditions5-10 mm.295 injl	Contact Material	AgNi
Relay Mounting Type       Printed Circuit Board         Relay Mounting Type       Printed Circuit Board         Dimensions       20–25 mm         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       5.01 mm[.591 in]	Contact Number of Poles	1
Relay Mounting TypePrinted Circuit BoardDimensionsLength Class (Mechanical)20 - 25 mmInsulation Clearance Class5 - 8 mmHeight Class (Mechanical)14 - 15 mmInsulation Clearance Between Contact & Coil7.5 mm[.295 in]Width Class (Mechanical)6 - 8 mmProduct Width7 mm[.276 in]Product Length20.39 mm[.803 in]Product Height Class15.01 mm[.591 in]	Terminal Type	PCB-THT
Dimensions       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]	Mechanical Attachment	
Length Class (Mechanical)20 – 25 mmInsulation Clearance Class5 – 8 mmHeight Class (Mechanical)14 – 15 mmInsulation Clearance Between Contact & Coil75 mm[.295 in]Width Class (Mechanical)6 – 8 mmProduct Width7 mm[.276 in]Product Length20.39 mm[.803 in]Product Height15.01 mm[.591 in]Stage Conditions50 mm[.591 in]	Relay Mounting Type	Printed Circuit Board
Insulation Clearance Class5 – 8 mmHeight Class (Mechanical)14 – 15 mmInsulation Clearance Between Contact & Coil7.5 mm[.295 in]Width Class (Mechanical)6 – 8 mmProduct Width7 mm[.276 in]Product Length20.39 mm[.803 in]Product Height15.01 mm[.591 in]	Dimensions	
Height Class (Mechanical)14 – 15 mmInsulation Clearance Between Contact & Coil7.5 mm[.295 in]Width Class (Mechanical)6 – 8 mmProduct Width7 mm[.276 in]Product Length20.39 mm[.803 in]Product Height15.01 mm[.591 in]Bage Conditions1	Length Class (Mechanical)	20 – 25 mm
Insulation Clearance Between Contact & Coil7.5 mm[.295 in]Width Class (Mechanical)6 – 8 mmProduct Width7 mm[.276 in]Product Length20.39 mm[.803 in]Product Height15.01 mm[.591 in]	Insulation Clearance Class	5 – 8 mm
Width Class (Mechanical)6 – 8 mmProduct Width7 mm[.276 in]Product Length20.39 mm[.803 in]Product Height15.01 mm[.591 in]	Height Class (Mechanical)	14 – 15 mm
Product Width7 mm[.276 in]Product Length20.39 mm[.803 in]Product Height15.01 mm[.591 in]	Insulation Clearance Between Contact & Coil	7.5 mm[.295 in]
Product Length       20.39 mm[.803 in]         Product Height       15.01 mm[.591 in]         Jsage Conditions       20.39 mm[.803 in]	Width Class (Mechanical)	6 – 8 mm
Product Height 15.01 mm[.591 in] Usage Conditions	Product Width	7 mm[.276 in]
Jsage Conditions	Product Length	20.39 mm[.803 in]
	Product Height	15.01 mm[.591 in]
Environmental Ambient Temperature Class 70 – 85 °C	Jsage Conditions	
	Environmental Ambient Temperature Class	70 – 85 °C

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



Environmental Ambient Temperature (Max)	85 °C[185 °F]
Packaging Features	
Packaging Method	Tray
<b>Product Compliance</b> 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**

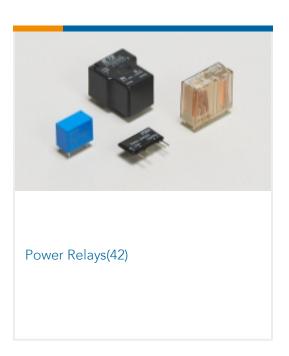


# Also in the Series | OEG Miniature PCB Relay PCJ

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





# Customers Also Bought



THV



2.5 SDL POST HDR ASSY 12P RED



# Documents

Product Drawings PCJ-112D3M,303

English

### **CAD** Files

### 3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1721531-2\_F.2d\_dxf.zip

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



English

Customer View Model ENG\_CVM\_CVM\_1721531-2\_F.3d\_igs.zip

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Customer View Model

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English

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