



Relays & Contactors > Relays > Signal Relays



Contact Voltage Rating: **20 VDC**

Coil Power Rating DC: **69 mW**

Isolation (HF Parameter): **-18dB @ 900MHz, -30dB @ 100MHz**

Insertion Loss (HF Parameter): **-.12dB @ 100MHz, -1.9dB @ 900MHz**

Product Mount Type: **Printed Circuit Board**

Features

Configuration Features

Contact Special Features	Reed Contacts
Coil Special Features	UL Coil Insulation
Contact Arrangement	1 Form C (CO)
Contact Number of Poles	1

Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	250 Vrms
Contact Limiting Making Current	.5 A
Contact Limiting Short-Time Current	.5 A
Contact Limiting Continuous Current	.5 A
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms
Insulation Initial Resistance	1000 MΩ
Power Consumption	50 – 288 mW
Contact Limiting Breaking Current	.5 A
Contact Switching Load (Min)	10mA @ .01V



Coil Resistance	500 Ω
Contact Voltage Rating	20 VDC
Coil Power Rating DC	69 mW
Coil Voltage Rating	5 VDC
Contact Current Rating	1.25 A
Contact Switching Voltage (Max)	100 VDC

Signal Characteristics

Isolation (HF Parameter)	-18dB @ 900MHz, -30dB @ 100MHz
Insertion Loss (HF Parameter)	-.12dB @ 100MHz, -1.9dB @ 900MHz

Body Features

Product Weight	2.3 g[.0811 oz]
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Contact Features

Contact Plating Material	Ruthenium
Contact Material	Nickel-Titanium

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	PCB Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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Dimensions

Product Width	6.6 mm[.26 in]
Product Length	20.32 mm[.8 in]
Product Height	7.8 mm[.307 in]

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[85 °F]
Operating Temperature Range	-35 – 85 °C

Operation/Application

Actuating System	DC
Solder Process	Wave Solder
Performance Type	Standard
Coil Magnetic System	Monostable, DC

Packaging Features



Packaging Method	Box & Tray, Tray
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Other

Length Class (Mechanical)	20 – 25 mm
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	7 – 8 mm
Coil Power Rating Class	0 – 100 mW
Width Class (Mechanical)	6 – 8 mm
Contact Current Class	0 – 2 A

Product Compliance

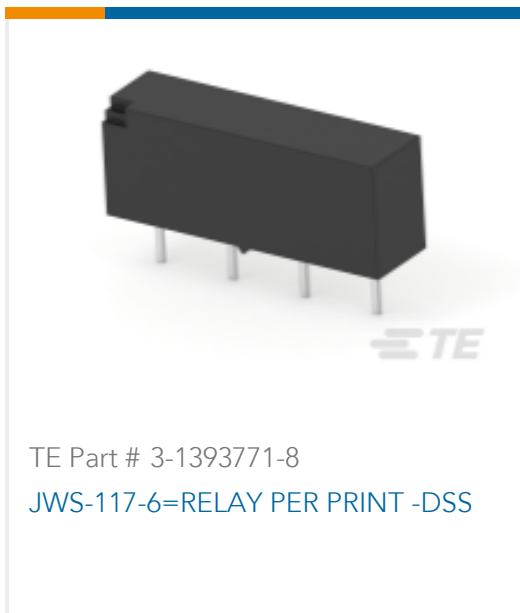
[For compliance documentation, visit the product page on TE.com>](#)

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 260°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>

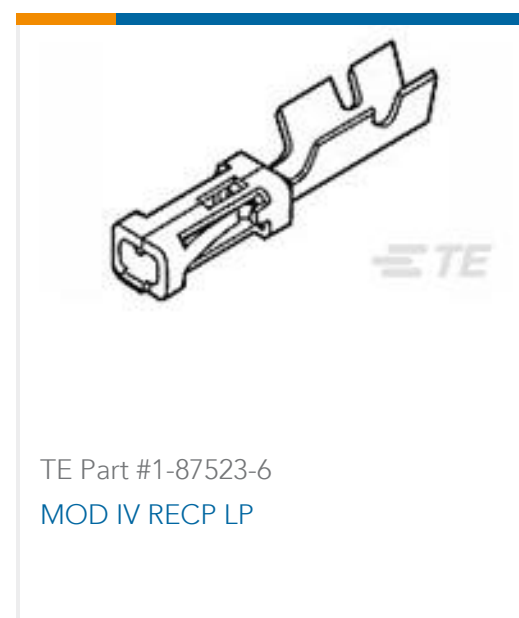
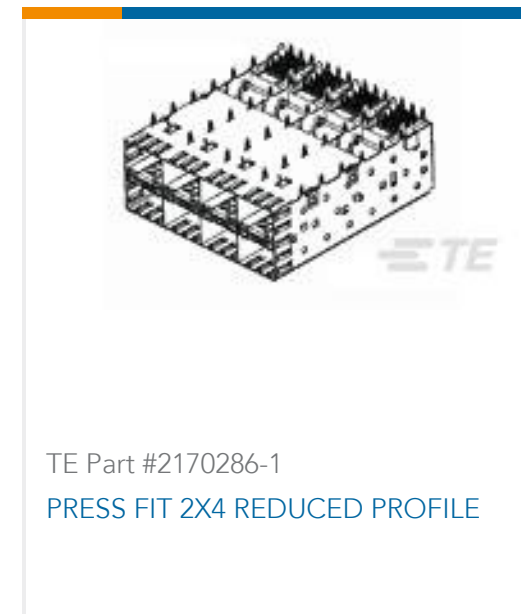
Compatible Parts



Also in the Series | Potter & Brumfield JWD Series



Customers Also Bought





Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-1393771-2_99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1393771-2_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1393771-2_99.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[JWD/JWS Dual In-Line Package & Single In-Line Package Dry Reed Relays](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

English