



Relays & Contactors > Relays > Signal Relays



Contact Voltage Rating: **150 VAC**
Coil Power Rating DC: **64 mW**
Isolation (HF Parameter): **-18dB @ 900MHz, -30dB @ 100MHz**
Insertion Loss (HF Parameter): **-.12dB @ 100MHz, -1.9dB @ 900MHz**

Features

Product Type Features

Relay Connection Type	PCB SMT
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Electrical Characteristics

Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Limiting Short-Time Current	1 A
Insulation Initial Dielectric Between Contacts and Coil	1500 Vrms
Insulation Creepage Class	0 – 1.5 mm
Voltage Standing Wave Ration (HF Parameter)	1.06 @ 100MHz, 1.75 @ 900MHz
Coil Power Rating Class	0 – 100 mW
Power Consumption	30 – 150 mW
Contact Limiting Making Current	1 A
Contact Limiting Continuous Current	1 A
Insulation Creepage Between Contact and Coil	.75 mm[.03 in]
Contact Limiting Breaking Current	1 A
Contact Switching Load (Min)	10mA @ .02V
Coil Resistance	390 Ω
Contact Voltage Rating	150 VAC
Coil Power Rating DC	64 mW
Coil Voltage Rating	5 VDC
Contact Switching Voltage (Max)	150 VAC
Coil Magnetic System	Bistable, 2 Coils, Polarized



Signal Characteristics

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

Body Features

Product Weight	2 g[.0705 oz]
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Contact Features

Contact Plating Material	Gold
Contact Special Features	Bifurcated/Twin Contacts
Contact Current Class	0 – 2 A
Contact Current Rating (Max)	1 A
Contact Arrangement	1 Form C (CO)
Contact Base Material	PdNi
Contact Number of Poles	1

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	12 – 14 mm
Height Class (Mechanical)	7 – 8 mm
Insulation Clearance Between Contact and Coil	.75 mm[.03 in]
Insulation Clearance Class	0 – 2.5 mm
Width Class (Mechanical)	6 – 8 mm
Product Width	7.75 mm[.305 in]
Product Length	13.4 mm[.527 in]
Product Height	8 mm[.314 in]

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[85 °F]
Environmental Ambient Temperature Class	70 – 85 °C
Operating Temperature Range	-40 – 85 °C

Operation/Application

Performance Type	High Sensitive
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Packaging Features

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Packaging Method	Reel
Other	
Solder Process	Reflow Solder

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 2022 (223) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°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>

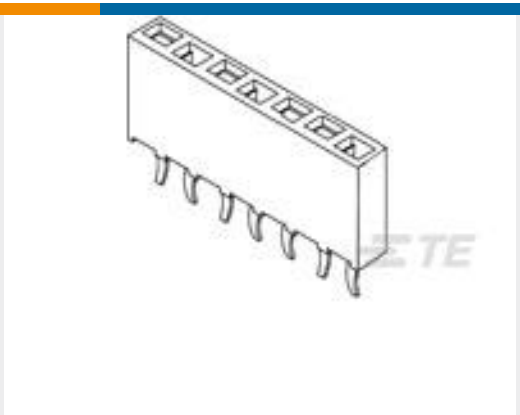
Customers Also Bought



TE Part #338728-8
Male-on-Board Connector, Micro-MaTch



TE Part #T4144015051-000
M12 R/A M PNL REAR A-CODE 5P PCBSTD



TE Part #1-215297-1
11P HV100 REC CON. TE, 7.0MM



TE Part #8-2176251-3
CRGS2010 5% 6M8



Documents

CAD Files

Customer View Model

ENG_CVM_1422015-6_S00E.3d_igs.zip

English

Customer View Model

ENG_CVM_1422015-6_S00E.3d_stp.zip

English

Customer View Model

ENG_CVM_1422015-6_S00E.2d_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1422015-6_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1422015-6_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1422015-6_C.3d_stp.zip

English

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Product Specifications

Product Specification

English

Definitions General Purpose Relays

English

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

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