

TSC-105L3H,000

OEG

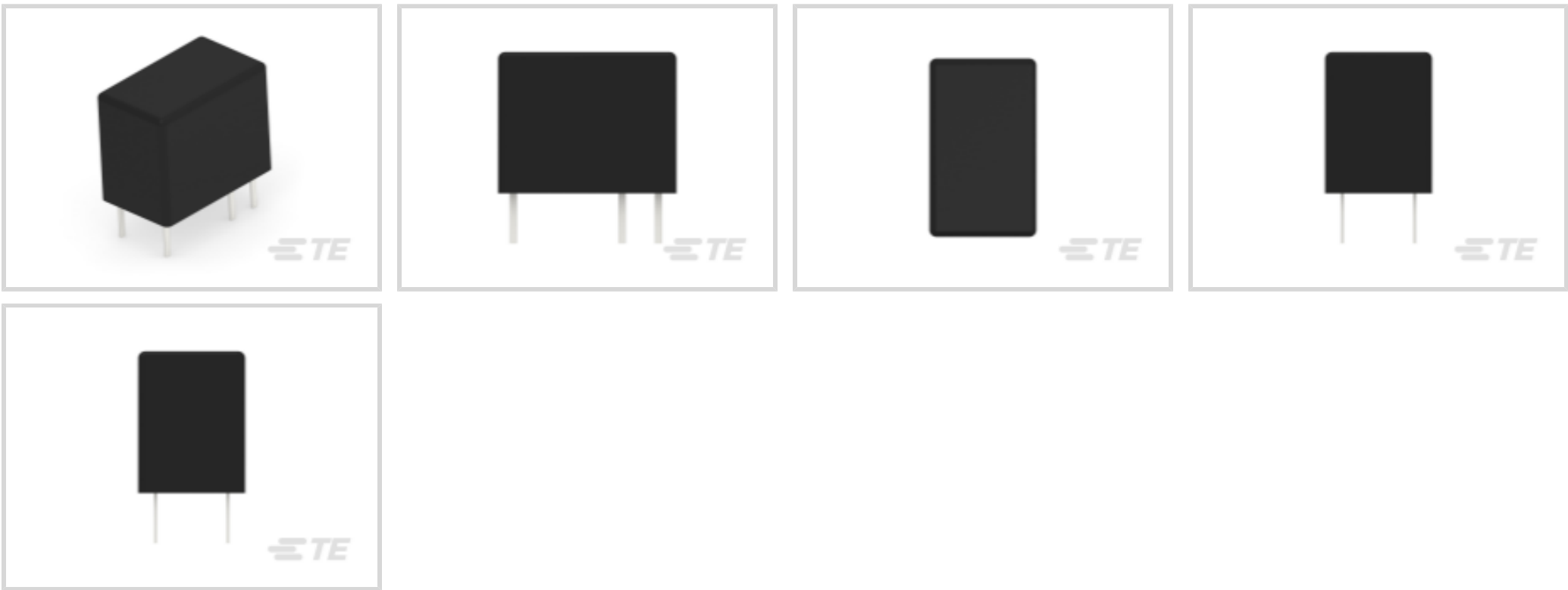
TE Internal #: 1-1419130-2

TE Internal Description: TSC-105L3H,000

[View on TE.com >](#)



Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Current Type: **DC**

Contact Current Rating: **1 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Signal Relay
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Configuration Features

Relay Options	RF Rated
Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	1 A
Contact Limiting Making Current	1 A
Contact Limiting Continuous Current	1 A
Contact Limiting Breaking Current	1 A
Insulation Initial Dielectric Between Open Contacts	400 Vrms
Contact Switching Voltage (Max)	120 VAC
Contact Switching Load (Min)	1mA @ 1V
Coil Resistance	166 Ω
Insulation Initial Resistance	1000000 MΩ



Contact Current Rating	1 A
Coil Voltage Rating	5 VDC
Contact Voltage Rating	24 VDC
Coil Power Rating DC	.15 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Signal Characteristics

Isolation (HF Parameter)	-20.7dB @ 900MHz, -39dB @ 100MHz
Insertion Loss (HF Parameter)	-.02dB @ 100MHz, -.27dB @ 900MHz

Body Features

Product Weight	3 g[.1058 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	2 mm[.079 in]
Insulation Creepage Between Contact & Coil	1.5 mm[.059 in]
Product Width	7.4 mm[.29 in]
Product Length	12.3 mm[.484 in]
Product Height	9.9 mm[.389 in]

Usage Conditions

Operating Temperature Range	-30 – 80 °C[-22 – 176 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	80 °C[176 °F]

Operation/Application

Solder Process	Wave Solder Capable
Performance Type	Sensitive



Coil Magnetic System	Monostable
Current Type	DC

Packaging Features

Packaging Method	Box & Tube, Tube
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Other

Coil Power Rating Class	≤.15 W
Contact Current Class	≤2 A
Height Class (Mechanical)	>7 – ≤11 mm[>.276 – ≤.433 in]
Length Class (Mechanical)	>11 – ≤16 mm[>.433 – ≤.63 in]
Width Class (Mechanical)	>7 – ≤11 mm[>.276 – ≤.433 in]

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-1419130-0
[TSC-105D3H,000](#)

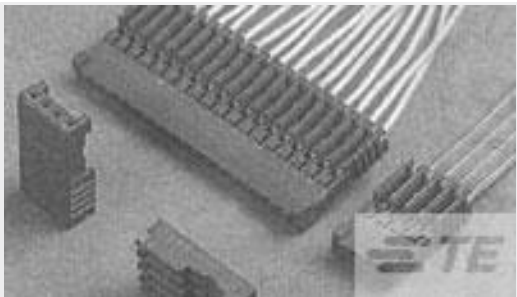
Customers Also Bought



TE Part #5-104549-2
[20 SYS50 S/M HDR DRST SHRDSN](#)



TE Part #280380-2
[8P MODU II SHRD HDR,RT ANG, 0.38 AU](#)



TE Part #281786-3
[PLUG HE14 IDC 180 3 P AWG 28-26](#)



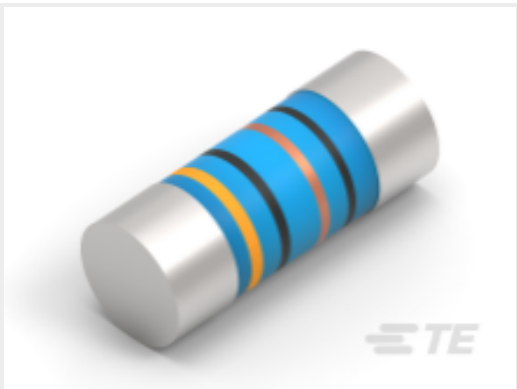
TE Part #5-1418363-1
[39 POS TAB 2.8x0.8 HEADER CODE](#)



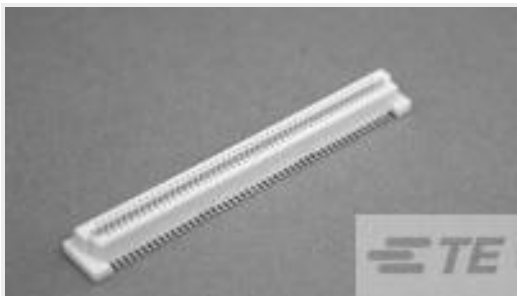
TE Part #4-1879497-6
[CRGH1206 5% 75R 0.5W](#)



TE Part #1-2176230-9
[3522 27R 5% 3W](#)



TE Part #7-2176315-0
[MELF SMA_A 47K 1% 50PPM 0204 0.4 W](#)



TE Part #5177983-4
[0.8FH,R05H.5,100,08/Sn,TU](#)



TE Part #5177984-4
[0.8FH,P05H.5,100,08/Sn,TU](#)



TE Part #5227222-2
[VERT JK W/MTG PINS, BNC PCB](#)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1419130-2_C1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1419130-2_C1.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_1-1419130-2_C1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[TSC Series Relay Data Sheet -English](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

English

Agency Approvals

[CQC_CERT_08001026046_C1](#)

English