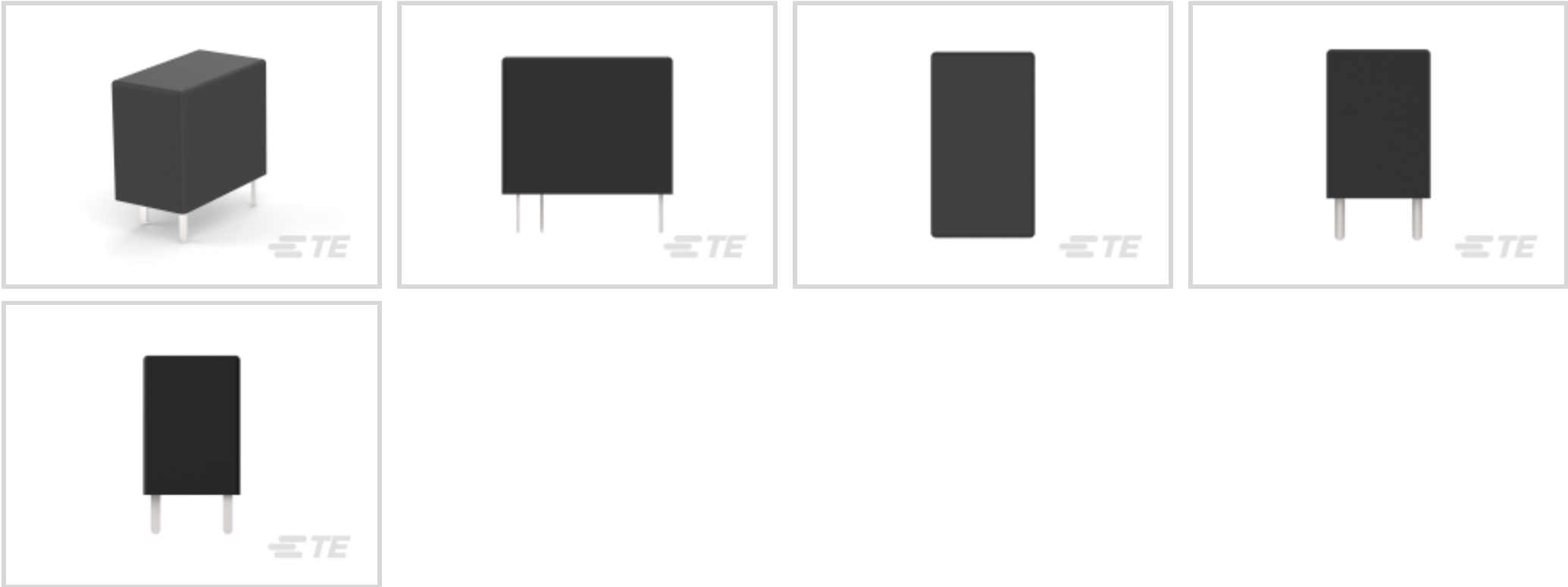




Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Contact Current Rating: **3 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Number of Poles	1
Coil Special Features	Sensitive Version, UL Coil Insulation Class F
Contact Arrangement	1 Form A SPST-NO

Electrical Characteristics

Contact Limiting Short-Time Current	3 A
Contact Limiting Making Current	3 A
Contact Limiting Continuous Current	3 A
Contact Limiting Breaking Current	3 A
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Switching Voltage (Max)	277 VAC
Contact Switching Load (Min)	100mA @ 5V
Coil Resistance	720 Ω



Contact Current Rating	3 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	30 VDC
Coil Power Rating DC	.2 W
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms

Body Features

Product Weight	9 g[.318 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	Ag
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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	3.2 mm[.126 in]
Insulation Creepage Between Contact & Coil	6.4 mm[.252 in]
Product Width	10.2 mm[.401 in]
Product Length	18.2 mm[.716 in]
Product Height	14.7 mm[.578 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	105 °C[221 °F]

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Bundle
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Other



Coil Power Rating Class	.15 – .2 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	85 – 105 °C
Height Class (Mechanical)	14 – 15 mm
Length Class (Mechanical)	16 – 20 mm
Width Class (Mechanical)	10 – 12 mm

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

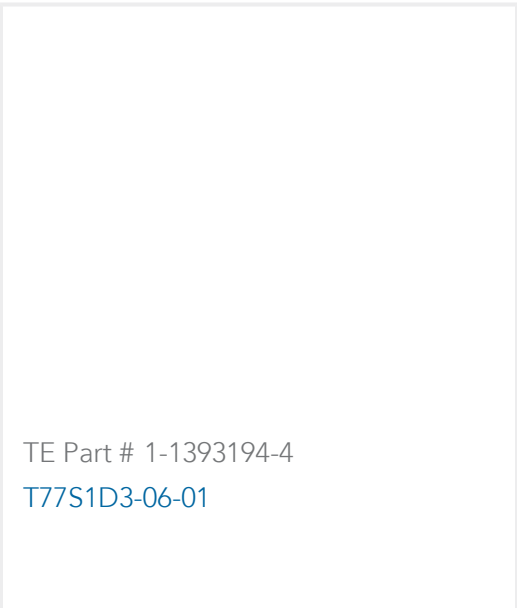
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

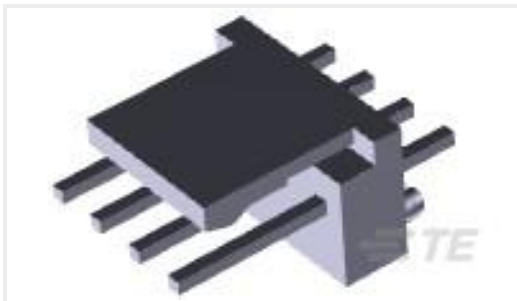
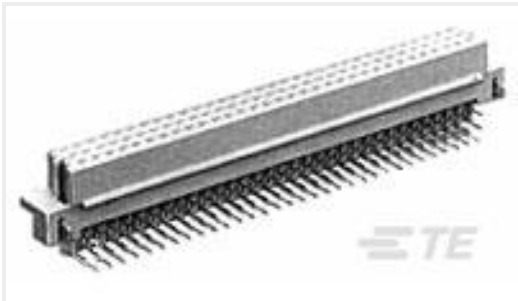
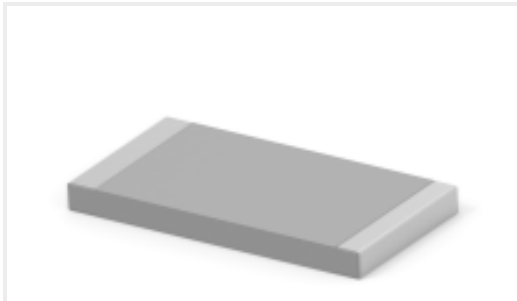
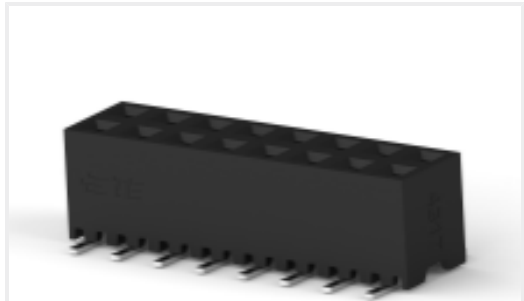
T77S1D3-12

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 3 A Contact Rating, 12 VDC Coil Voltage, 250 VAC Contact Voltage



 TE Part # 1-1393194-4 T77S1D3-06-01	 TE Part # 1393194-7 T77S1D10-05	 TE Part # 2-1393194-0 T77V1D10-18	 TE Part # 2-1393194-5 T77V1D3-05
 TE Part # 1393194-6 T77S1D10-03	 TE Part # 1-1393194-6 T77S1D3-24	 TE Part # 1393194-9 T77S1D10-12	 TE Part # 1-1393194-0 T77S1D10-24
 TE Part # 1-1393194-9 T77V1D10-12	 TE Part # 2-1393194-6 T77V1D3-12	 TE Part # 1-1393194-3 T77S1D3-05	 TE Part # 2-1393194-7 T77V1D3-24

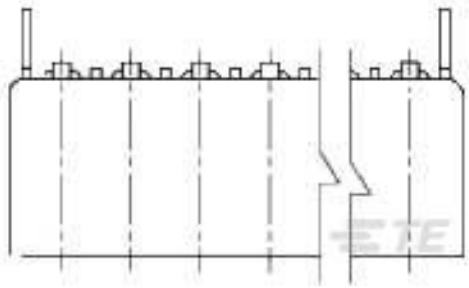
Customers Also Bought

 TE Part #2-2176230-0 3522 33R 5% 3W	 TE Part #641967-1 04P UMNL PIN HDR ASSY POL NATL	 TE Part #3-647609-4 04P MTA100 HDR ASSY F/L LF	 TE Part #DT15-12PC-B016 HDR, 12P, GRN, ST, ENH KEY, NI/CU, C
 TE Part #1-1437664-7 NC6-P107-12=NC6 ASSEMBLY	 TE Part #5650868-4 ASSY,RECEPTACLE,EUROCARD,TYPE	 TE Part #3-2176331-5 CRGP 2512 6K8 1%	 TE Part #1-2307816-6 16P,2MM,B-B,REC,DRV,TR,SMD,SN,TR, W/CP

T77S1D3-12

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 3 A Contact Rating, 12 VDC Coil Voltage, 250 VAC Contact Voltage





TE Part #5-487508-7

[TRIOMATE ASY H 8P L=3.175,LDFR](#)



TE Part #2-326859-1

[TERMINAL,PIDG SPD 12-10 6](#)

Documents

Product Drawings

[T77S1D3-12](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1393194-5_C7.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1393194-5_C7.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1393194-5_C7.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[T77 10 Amp Miniature PC Board Relay](#)

English

[OJ_OJE Series Relay Data Sheet English](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

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Agency Approvals

[VDE Certificate](#)

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