

TE Internal #: 2027395-7

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 35 A Contact Rating, 12 VDC Coil Voltage, 277 VAC Contact Voltage, 2.25 W Coil Power

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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: **35 A**

Features

Product Type Features

| | |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

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

Electrical Characteristics

| | |
|---------------------------------------------------------|-----------|
| Contact Limiting Short-Time Current | 35 A |
| Contact Limiting Making Current | 35 A |
| Contact Limiting Continuous Current | 35 A |
| Contact Limiting Breaking Current | 40 A |
| Insulation Initial Dielectric Between Open Contacts | 2500 Vrms |
| Insulation Initial Dielectric Between Adjacent Contacts | 2500 Vrms |
| Coil Current | .188 A |
| Contact Switching Voltage (Max) | 277 VAC |
| Coil Resistance | 64 Ω |
| Insulation Initial Resistance | 1000 MΩ |
| Contact Current Rating | 35 A |
| Coil Voltage Rating | 12 VDC |



| | |
|-------------------------------------------------------|-----------|
| Contact Voltage Rating | 277 VAC |
| Coil Power Rating DC | 2.25 W |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |

Body Features

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|-----------------------|-----------------------------------------|
| Product Weight | 30 g[1.058 oz] |
| Primary Product Color | White |
| Enclosure Type | Flux Resistant Automatic Solder Capable |

Contact Features

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|------------------|--------------|
| Contact Material | Silver Alloy |
|------------------|--------------|

Termination Features

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|------------------------------------|-------------|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

Mechanical Attachment

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|--------------------|-------------|
| Product Mount Type | Board Mount |
|--------------------|-------------|

Dimensions

| | |
|---------------------------------------------|-------------------|
| Insulation Clearance Between Contact & Coil | 3 mm[.118 in] |
| Insulation Creepage Between Contact & Coil | 5.6 mm[.22 in] |
| Product Width | 27.43 mm[1.08 in] |
| Product Length | 32.51 mm[1.28 in] |
| Product Height | 20.4 mm[.803 in] |

Usage Conditions

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|-----------------------------------------|--------------------------|
| Operating Temperature Range | -40 – 25 °C[-40 – 77 °F] |
| Environmental Category of Protection | RTII |
| Environmental Ambient Temperature (Max) | 25 °C[77 °F] |

Operation/Application

| | |
|----------------------|---------------------|
| Solder Process | Wave Solder Capable |
| Current Type | DC |
| Coil Magnetic System | Monostable |

Packaging Features

| | |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

Other

| | |
|--|--|
| | |
|--|--|



| | |
|-----------------------------------------|------------|
| Contact Current Class | 30 – 50 A |
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Height Class (Mechanical) | 20 – 25 mm |
| Length Class (Mechanical) | 30 – 35 mm |
| Width Class (Mechanical) | 25 – 30 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 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


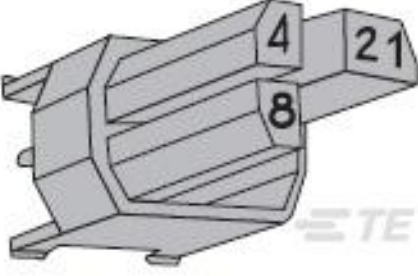


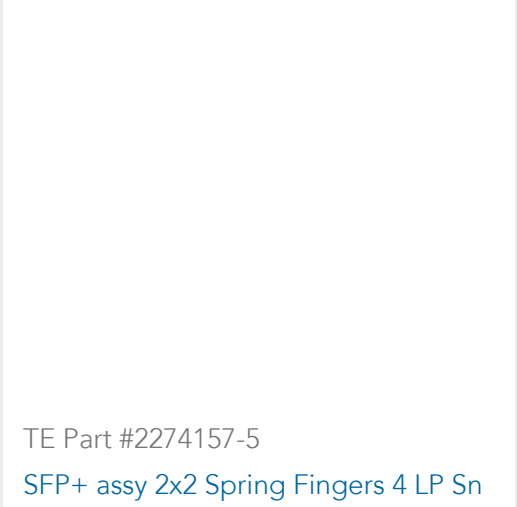
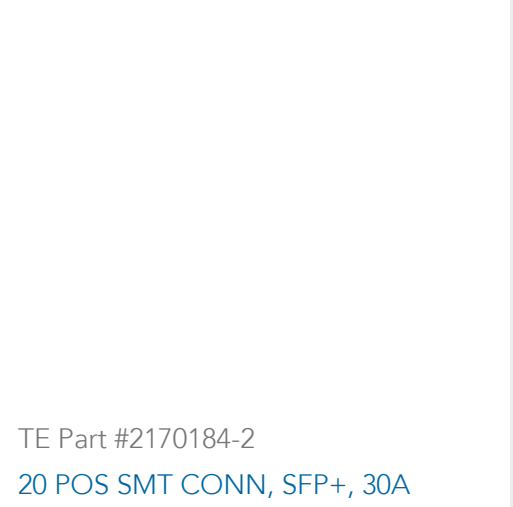
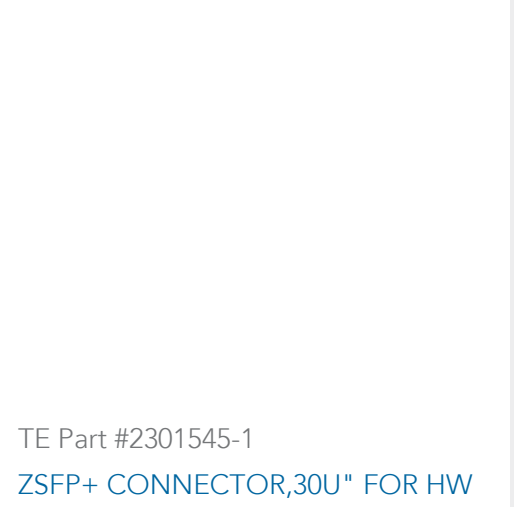
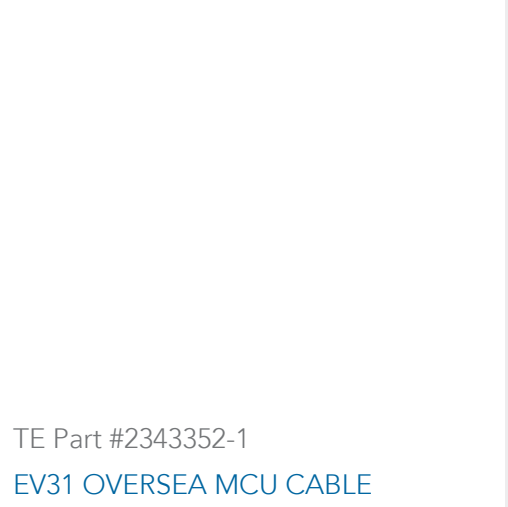
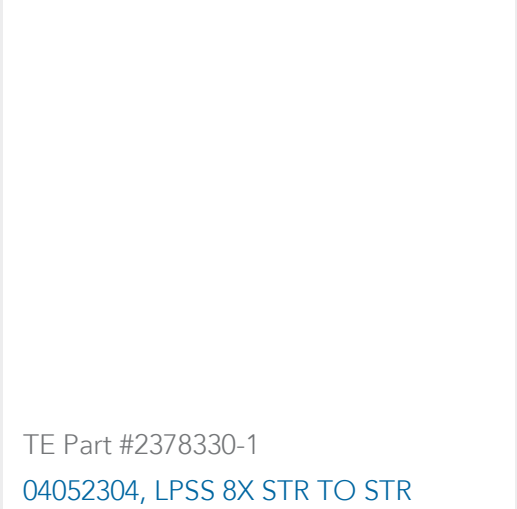
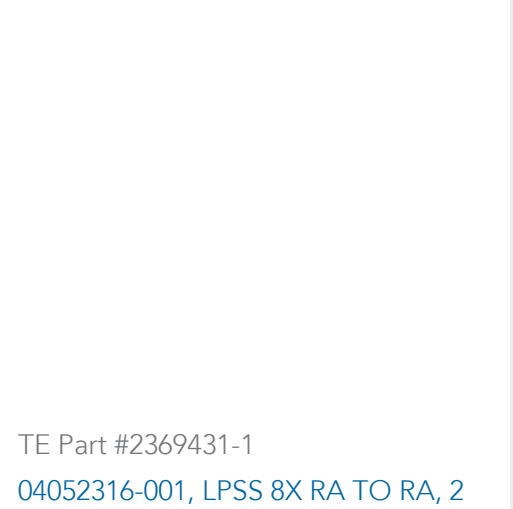
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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





Customers Also Bought

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part #1721083-1 OJ-SS-112LMHF,000</p> |  <p>TE Part #100525-9 Z-PACK M.CODING KEY</p> |  <p>TE Part #1-6450871-0 MBXLE R/A RCPT 20S+6P</p> |  <p>TE Part #6-1734248-0 1.0 FPC, ZIF V/T, SMT, 30P</p> |
|  <p>TE Part #2274157-5 SFP+ assy 2x2 Spring Fingers 4 LP Sn</p> |  <p>TE Part #2170184-2 20 POS SMT CONN, SFP+, 30A</p> |  <p>TE Part #2301545-1 ZSFP+ CONNECTOR,30U" FOR HW</p> |  <p>TE Part #2343352-1 EV31 OVERSEA MCU CABLE</p> |
|  <p>TE Part #2378330-1 04052304, LPSS 8X STR TO STR</p> |  <p>TE Part #2369431-1 04052316-001, LPSS 8X RA TO RA, 2 PORTS</p> | | |

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_2027395-7_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2027395-7_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2027395-7_B.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

Potter & Brumfield Power PCB Relay-T9S

English



[T9S Relay Datasheet](#)

English

[T9S Solar Relay Datasheet 2.1mm gap](#)

English

[Agency Approvals](#)

[TUV Certificate](#)

English