



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **2250 mW**

Coil Resistance: **64 Ω**

Coil Special Features: **UL Coil Insulation Class F**

Features

Product Type Features

Enclosure Type	White Plastic Case
Power Relay Type	Standard

Configuration Features

Output Switching	Random
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Input Voltage Typical	0 – 12 VDC
Output Current Rating	0 – 35 A
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	2500 Vrms
Contact Limiting Short-Time Current	35 A
Coil Power Rating	2.25 W
Insulation Creepage Class	3 – 5.6 mm
Output Voltage Rating (DC Relays)	0 – 30 VDC
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Insulation Initial Resistance	1000 M Ω
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Output Voltage (Max)	277 V



Contact Limiting Making Current	35 A
Insulation Creepage Between Contact & Coil	5.6 mm[.22 in]
Contact Limiting Continuous Current	35 A
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Contact Limiting Breaking Current	40 A
Coil Current	.188 A
Coil Magnetic System	Monostable, DC
Coil Power Rating DC	2250 mW
Coil Resistance	64 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

Body Features

Insulation Special Features	Tracking Index of Relay Base PTI325
Product Weight	30 g[1.058 oz]
Packaging Style	Panel Mount
Case Color	White

Contact Features

Contact Plating Material	Silver (Ag)
Switch Arrangement	1 Form A (SPST-NO)
Contact Arrangement	1 Form A (NO)
Contact Current Class	30 – 50 A
Contact Current Rating (Max)	35 A
Contact Material	Ag Alloy
Contact Number of Poles	1
Relay Terminal Type	PCB-THT

Termination Features

Relay Termination Type	Printed Circuit Terminals
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Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions



Length Class (Mechanical)	30 – 35 mm
Height Class (Mechanical)	20 – 25 mm
Insulation Clearance Between Contact & Coil	3 mm[.118 in]
Insulation Clearance Class	2.5 – 4 mm
Width Class (Mechanical)	25 – 30 mm
Product Width	27.4 mm[1.079 in]
Product Length	32.5 mm[1.281 in]
Product Height	20.4 mm[.803 in]

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[185 °F]
Environmental Ambient Temperature Class	70 – 85 °C
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

R-Switch & slimSSR Relays	No
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Packaging Features

Packaging Method	Tray
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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: JUNE 2023 (235) 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



TE Part # 2027395-6
T9SS1K15-12S


Customers Also Bought




TE Part #1721083-1
OJ-SS-112LMHF,000



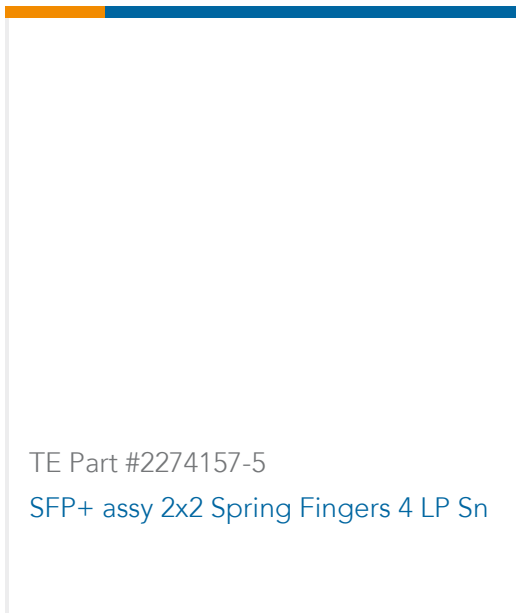
TE Part #2391079-1
Matenet, header, 2x2 port, code A



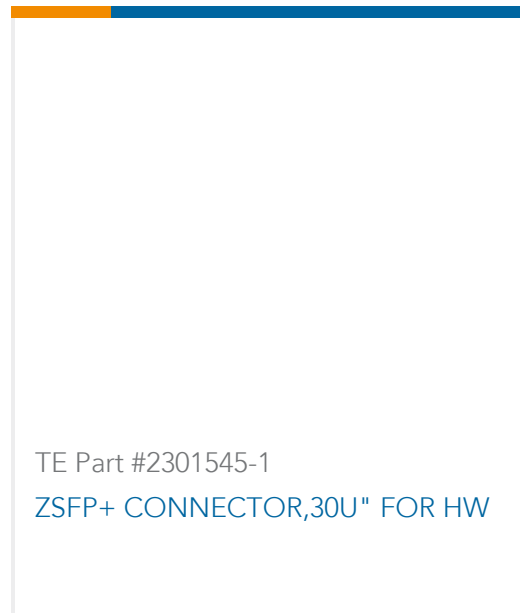
TE Part #1-6450871-0
MBXLE R/A RCPT 20S+6P



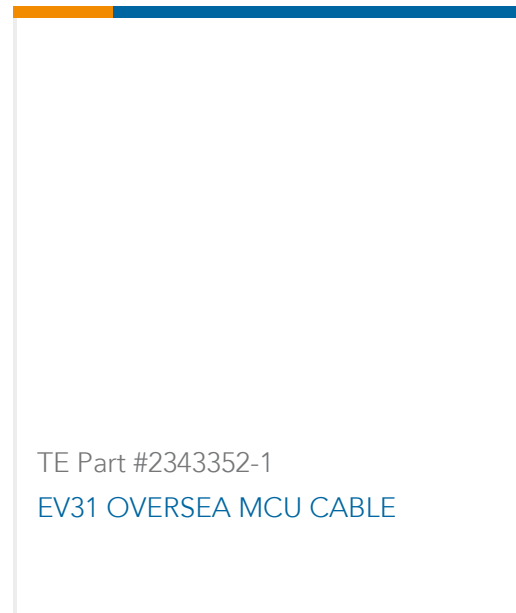
TE Part #2170184-2
20 POS SMT CONN, SFP+, 30A



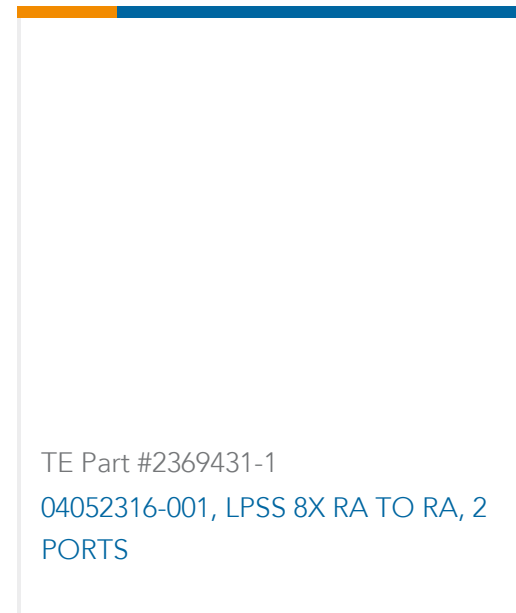
TE Part #2274157-5
SFP+ assy 2x2 Spring Fingers 4 LP Sn



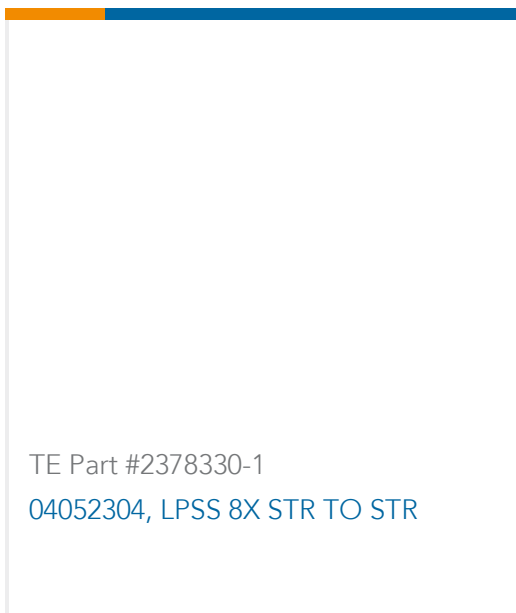
TE Part #2301545-1
ZSFP+ CONNECTOR,30U" FOR HW"



TE Part #2343352-1
EV31 OVERSEA MCU CABLE



TE Part #2369431-1
04052316-001, LPSS 8X RA TO RA, 2 PORTS



TE Part #2378330-1
04052304, LPSS 8X STR TO STR

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](#)

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Datasheets & Catalog Pages

[Potter & Brumfield Power PCB Relay-T9S](#)

English

[T9S Relay Datasheet](#)

English

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

English

Product Environmental Compliance

[Product Compliance](#)

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Agency Approvals

[TUV Certificate](#)

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