RP412024 ✔ ACTIVE

TE Internal #: 1-1393231-2

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 8 A Contact Rating, 24 VDC Coil Voltage, 250 VAC Contact Voltage, .5 W Coil Power

View on TE.com >

Relays & Contactors > Electromechanical Relays

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

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **8 A**

Features

Contact Features

Contact Material	AgNi0.15

Dimensions

Insulation Clearance Between Contact & Coil	8 mm[.315 in]
Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Product Width	12.6 mm[.496 in]
Product Length	29 mm[1.14 in]
Product Height	25.5 mm[1 in]

Packaging Features

Packaging Method	Box & Tube

Other

Coil Power Rating Class	.5 – .6 W
Contact Current Class	5 – 10 A
Environmental Ambient Temperature Class	-40 – 70 °C
Height Class (Mechanical)	25 – 30 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	12 – 16 mm
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Usage Conditions

Operating Temperature Range	-40 – 70 °C[-40 – 158 °F]
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	70 °C[158 °F]

Body Features

Product Weight	18 g[.635 oz]
Enclosure Type	Flux Resistant Automatic Soldering

Electrical Characteristics

Contact Limiting Making Current	16 A
Contact Limiting Continuous Current	8 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Coil Current	.024 A
Contact Switching Voltage (Max)	400 VAC
Coil Resistance	1100 Ω
Contact Current Rating	8 A
Coil Voltage Rating	24 VDC
Contact Voltage Rating	250 VAC
Coil Power Rating DC	.5 W
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms

Configuration Features

Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Operation/Application

Solder Process	Wave Solder
Current Type	DC
Coil Magnetic System	Monostable

Product Type Features

Relay & Contactor Type	General Purpose Power Relay

Termination Features

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

Mechanical Attachment

Product Mount Type	Board Mount

Product Compliance

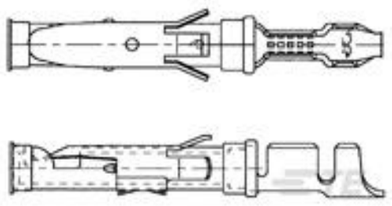
For compliance documentation, visit the product page on TE.com>

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (2% in Component Part) **Article Safe Usage Statements:** Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Compatible Parts

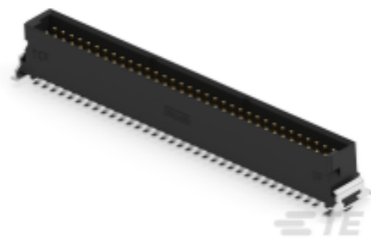
TE Part # 1860990-1
RT78601, RELAY SOCKET PCB 3.5MM

Customers Also Bought



TE Part #163767-4
062 SOC.ASS.TYPE 3+

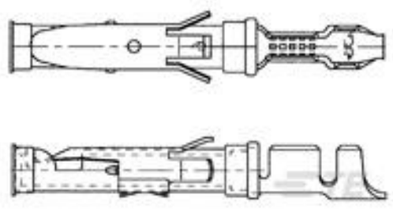
TE Part #154808-E
SMCB 68 F AB VV 7-13 CL * H007 137 E002



TE Part #244839-E
SMCQ 68 M AB VV 8-13 CL * H007 137 E005

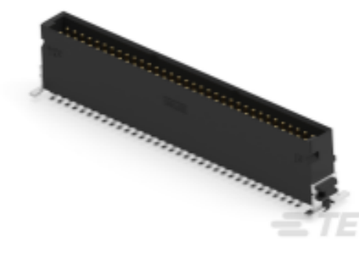
TE Part #2176463-1
HCH165 200W 6R8 5% LEAD

TE Part #3-1415543-3
SR6V6K18



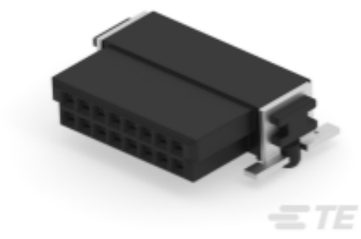
TE Part #164840-2
062 M SRS.SOCKET 3+

TE Part #164164-2
PIN ASS



TE Part #234209-E
SMCQ 68 M AB VV 8-23 CL * H007 137 E005

TE Part #965901-1
JPT REC 2.8 Contact SRC Sn



TE Part #354078-E
SMCQ 16 F AB VV 7-03 CL * 0007 137 E002

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1393231-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1393231-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1393231-2_A.3d_stp.zip

English

Datasheets & Catalog Pages

Power PCB Relay RPII/1

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English