



Power Relay F

TE Internal #: 2-1393302-3
Automotive Power Relay, DC, Monostable, 1 Form C SPDT-CO, 60 A Contact Rating, 12 VDC Coil Voltage, 12 VDC Contact Voltage,
Power Relay F
[View on TE.com >](#)

Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **Automotive Power Relay**
Coil Magnetic System: **Monostable**
Contact Arrangement: **1 Form C SPDT-CO**
Current Type: **DC**
Contact Current Rating: **60 A**

Features

Product Type Features

Relay & Contactor Type	Automotive Power Relay
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Configuration Features

Contact Arrangement	1 Form C SPDT-CO
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Electrical Characteristics

Contact Limiting Short-Time Current	240 A
Contact Limiting Making Current	120 A
Contact Limiting Continuous Current	60 A
Contact Limiting Breaking Current	60 A
Insulation Initial Dielectric Between Open Contacts	500 Vrms
Contact Switching Load (Min)	1000mA @ 5VDC
Coil Resistance	90 Ω
Contact Current Rating	60 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	12 VDC
Coil Power Rating DC	1.6 W
Insulation Initial Dielectric Between Contacts & Coil	500 Vrms

Body Features

Product Weight	35 g[1.2 oz]
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Enclosure Type	Dust Protected
Contact Features	
Contact Material	Silver Alloy
Termination Features	
Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins
Mechanical Attachment	
Product Mount Type	Board Mount
Dimensions	
Product Width	25.9 mm[1.019 in]
Product Length	25.9 mm[1.019 in]
Product Height	24.9 mm[.98 in]
Usage Conditions	
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Environmental Category of Protection	RTI
Environmental Ambient Temperature (Max)	125 °C[257 °F]
Operation/Application	
Solder Process	Wave Solder Capable
Coil Magnetic System	Monostable
Current Type	DC
Other	
Coil Power Rating Class	>1.5 – ≤3 W
Contact Current Class	>50 – ≤200 A
Height Class (Mechanical)	>22 – ≤27 mm[>.866 – ≤1.063 in]
Length Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]
Width Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 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	No Restricted Materials Above Threshold



EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1393302-6
VF415F13/X811

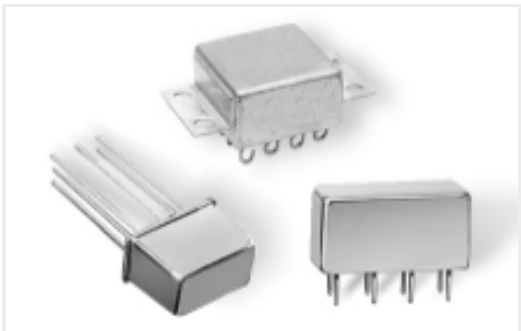


TE Part # 1-1904045-1
V23333Z0001A007-EV-100

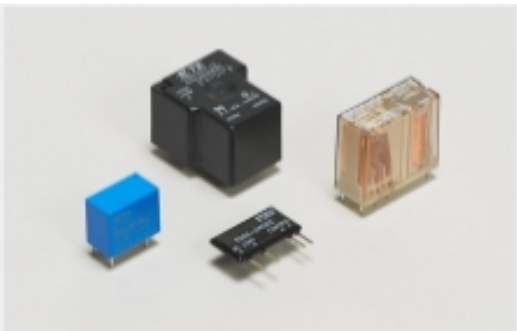
Also in the Series | Power Relay F



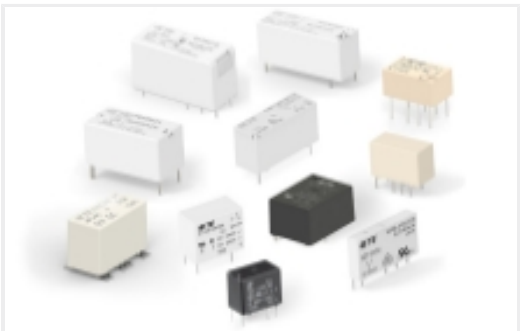
Automotive Relays(23)



DC Relays(61)



General Purpose Power Relays(23)



PCB Relays(7)



Relay Accessories(1)

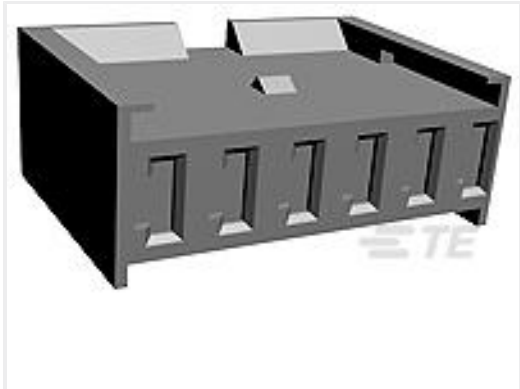
Customers Also Bought



TE Part #6-160449-5
FF 250 REC 1.0-2.5MM2 TPBR LP



TE Part #CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



TE Part #280592
AMPMODU I RECEPTACLE HOUSING.



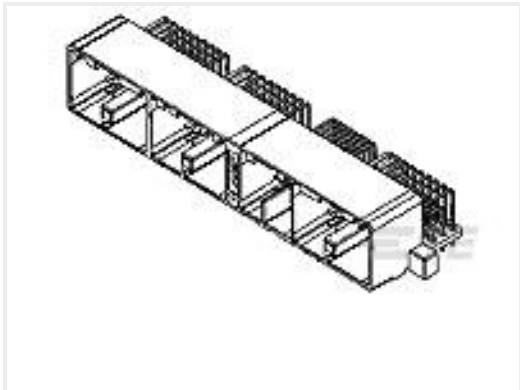
TE Part #413996-2
JACK RCPT,MALE,RTANG,SMB/PCB



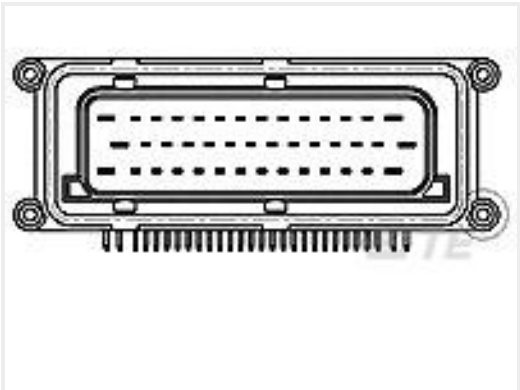
TE Part #794273-1
04P UMNLI INTERFACE SEAL



TE Part #3-1825137-7
A105SYCQ04



TE Part #179686-6
040/070-2 HD HYB CAP ASSY 104P



TE Part #1-967280-1
MESSERLEISTE MIX42P



TE Part #1393277-8
V23076A1022C133

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_2-1393302-3_O.2d_dxf.zip
- English
- Customer View Model
- ENG_CVM_CVM_2-1393302-3_O.3d_igs.zip



English

Customer View Model

ENG_CVM_CVM_2-1393302-3_O.3d_stp.zip

English

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

Datasheets & Catalog Pages

Automotive Relay Application Notes

English

Power Relay F4, Mini ISO, Plug-In

English

Product Specifications

Definitions General Purpose Relays

English