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1462052-3 ✔ ACTIVE

Axicom | Axicom HF6

TE Internal #: 1462052-3

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-SMT, Axicom HF6

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Relays, Contactors & Switches > Relays > Signal Relays > Axicom HF Relay 6GHz



Contact Voltage Rating: **220 VDC**

Signal Relay Coil Power Rating (DC): **140 mW**

Isolation (HF Parameter): **-30dB @ 6GHz, -60dB @ 3GHz, -80dB @ 900MHz**

Insertion Loss (HF Parameter): **-.05dB @ 900MHz, -.15dB @ 3GHz, -.8dB @ 6GHz**

All Axicom HF Relay 6GHz (6)

Features

Product Type Features

Relay Type	HF6 Relay
Product Type	Relay

Electrical Characteristics

Coil Power Rating Class	50 – 300 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	600 Vrms
Contact Limiting Short-Time Current	2 A
Insulation Initial Dielectric Between Contacts and Coil	1000 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	500 – 1000 V
Voltage Standing Wave Ration (HF Parameter)	1.07 @ 100MHz, 1.45 @ 900MHz
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Making Current	2 A
Coil Resistance	178 Ω

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Contact Limiting Continuous Current	2 A
Coil Type	Monostable
Contact Limiting Breaking Current	2 A
Contact Voltage Rating	220 VDC
Signal Relay Coil Power Rating (DC)	140 mW
Signal Relay Coil Voltage Rating	5 VAC
Signal Relay Contact Switching Voltage (Max)	220 VDC
Signal Relay Coil Magnetic System	Monostable, DC

Signal Characteristics

Isolation (HF Parameter)	-30dB @ 6GHz, -60dB @ 3GHz, -80dB @ 900MHz
Insertion Loss (HF Parameter)	-.05dB @ 900MHz, -.15dB @ 3GHz, -.8dB @ 6GHz

Body Features

Insulation Special Features	1500V Initial Surge Withstand Voltage between Contacts & Coil
	3 oz

Contact Features

Contact Plating Material	Gold
Contact Current Class	0 – 2 A
Signal Relay Terminal Type	PCB-SMT
Signal Relay Contact Current Rating	2 A
Signal Relay Contact Arrangement	1 Form C (CO)
Contact Material	Nickel
Contact Number of Poles	1

Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board

Dimensions

Width Class (Mechanical)	6 – 8 mm
Width	7.5 mm[.295 in]
Height	10.5 mm[.413 in]
Length Class (Mechanical)	14 – 16 mm
	14.9 in

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Height Class (Mechanical)	10 – 11 mm
Dimensions (L x W x H) (Approximate)	14.9 x 7.5 x 10.5 mm[.586 x .295 x .413 in]

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[85 °F]
Environmental Ambient Temperature Class	70 – 85°C

Operation/Application

Performance Type	Standard

Packaging Features

Packaging Method	Box & Carton, Reel

Other

Additional Features	Gull Wing

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 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°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

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Compatible Parts



TE Part # 2-1462051-3
HF3 53S=50OHM140MW 5V MONO

Also in the Series | Axicom HF6



Signal Relays(6)

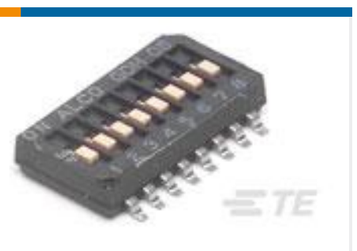
Customers Also Bought



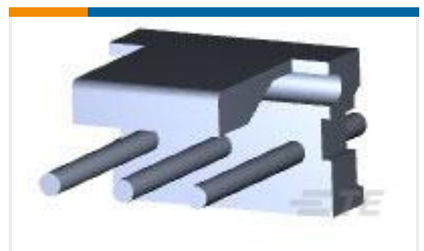
TE Part #1888781-1
Cage Assy Behind Bezel QSFP



TE Part #6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY



TE Part #1571983-3
GDH02STR04=DIP SWITCH



TE Part #640388-3
03P MTA156 HDR ASSY RN STR F/L



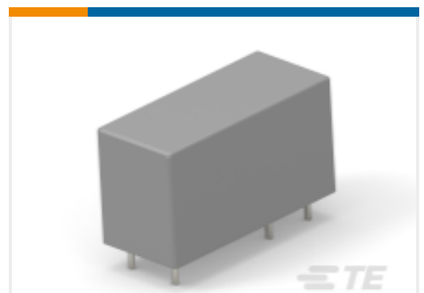
TE Part #1447009-8
SHIELD FINGER 3525Z



TE Part #3-2176337-3
CRGCQ 0402 4K7 1%



TE Part #2176362-7
RQ 0402 46R4 0.1% 10PPM 5K RL

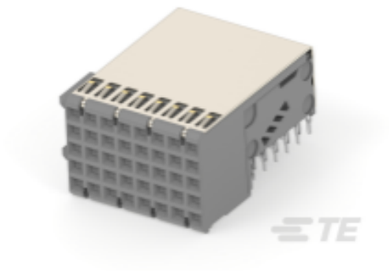


TE Part #1649326-6
RTB14024

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TE Part #2367982-1

2MM HM FEMALE ASSY, COL8

Documents

Product Drawings

HF6 53=50OHM140MW 5V MONO

English

HF6 53=50OHM140MW 5V MONO

English

CAD Files

Customer View Model

ENG_CVM_1462052-2_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_1462052-2_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_1462052-2_A1.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Axicom Signal and High Frequency Relays (RF Switches) APPLICATION NOTE #2

English

Product Specifications

Definitions General Purpose Relays

English

Product Specification

English