1-1462050-4 ✔ ACTIVE

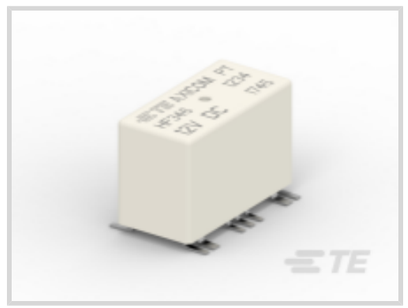
Axicom | Axicom HF3

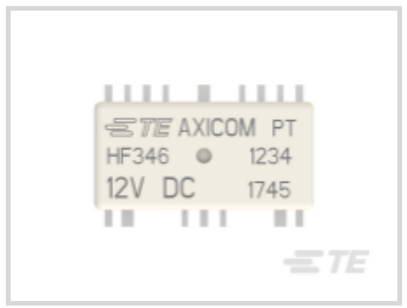
TE Internal #: 1-1462050-4

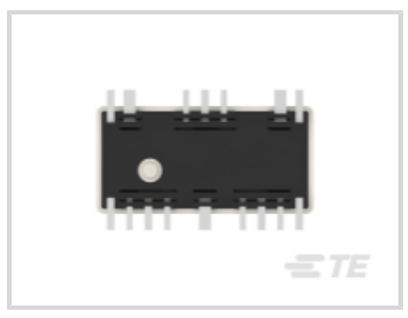
RF Relay, DC, Bistable, 2 Coils, 1 Form C SPDT-CO, 2 A Contact Rating, 12 VDC Coil Voltage, 30 VAC Contact Voltage, 30 VDC Contact Voltage, Axicom HF3

View on TE.com >

Relays & Contactors > Electromechanical Relays > Signal Relays: SMT, PCB Mount, 2 Amp







Relay & Contactor Type: **RF Relay**

Coil Magnetic System: **Bistable, 2 Coils**

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

Current Type: **DC**

Contact Current Rating: **2 A**

All Signal Relays: SMT, PCB Mount, 2 Amp (27)

Features

Product Type Features

Relay & Contactor Type	RF Relay

Configuration Features

Contact Special Features	Gull Wing
Relay Options	Power Switching, RF Rated
Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	2 A
Contact Limiting Making Current	2 A
Contact Limiting Continuous Current	2 A
Contact Limiting Breaking Current	2 A
Insulation Initial Dielectric Between Open Contacts	600 Vrms

Contact Switching Voltage (Max)	250 VAC
Voltage Standing Wave Ration (HF Parameter)	1.07db @ 100MHz, 1.45db @ 900MHz
Coil Resistance	1028 Ω
Insulation Initial Resistance	1000000 MΩ
Contact Current Rating	2 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	30 VDC
Coil Power Rating DC	.14 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Signal Characteristics

Insertion Loss (HF Parameter)	-.03dB @ 100MHz, -.12dB @ 900MHz, -.4dB @ 3GHz
Isolation (HF Parameter)	-40dB @ 3GHz, -72dB @ 900MHz, -80dB @ 100MHz

Body Features

	2.5 oz
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Plating Material	Gold
Contact Material	Nickel

Termination Features

Main Termination & Connection Type	PCB SMT
Coil Termination & Connection Type	PCB SMT

Mechanical Attachment

Product Mount Type	Board Mount

Dimensions

Product Width	7.2 mm[.283 in]
Product Length	14.6 mm[.574 in]
Product Height	9.1 mm[.358 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Environmental Category of Protection	RTIII

Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Coil Magnetic System	Bistable, 2 Coils
Current Type	DC

Packaging Features

Packaging Method	Box & Carton, Reel

Other

Coil Power Rating Class	≤.15 W
Contact Current Class	≤2 A
Height Class (Mechanical)	>7 – ≤11 mm[>.276 – ≤.433 in]
Length Class (Mechanical)	>11 – ≤16 mm[>.433 – ≤.63 in]
Width Class (Mechanical)	>7 – ≤11 mm[>.276 – ≤.433 in]

Product Compliance

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

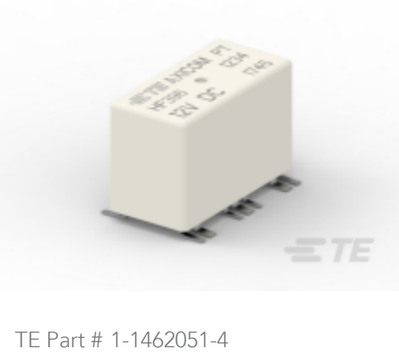
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) SVHC > 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	Low Halogen - Br, Cl, F < 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

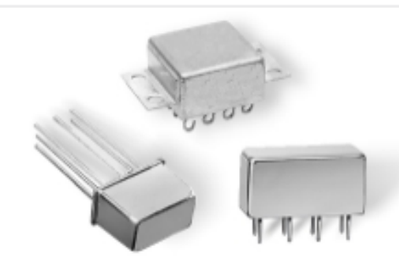
materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



TE Part # 1-1462051-4
HF3 96 = 50OHM 140MW 12V BIST 2COIL

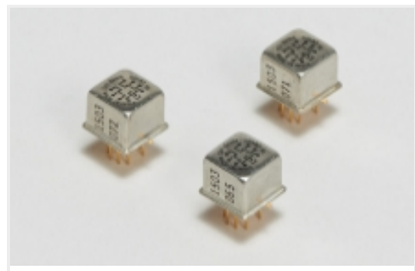
Also in the Series | Axicom HF3



DC Relays(36)



Electromechanical Relays(36)



RF Relays(36)

Customers Also Bought



TE Part #4-640602-2
12P MTA156 CONN ASSY 24AWG LF



TE Part #3-644467-8
08P MTA156 CONN ASSY 22AWG LF



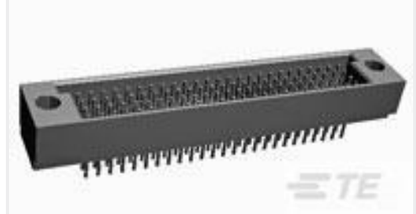
TE Part #8-1624112-5
3650 0603 72nH 5% 2K RL



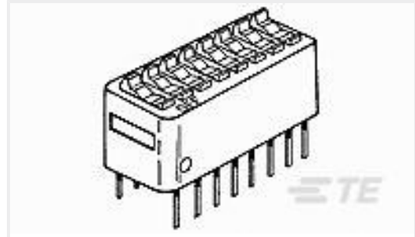
TE Part #3-1879023-1
3650 1008 0.62uH 5% 2K RL



TE Part #3-1879128-4
RN 0402 715R 0.1% 10PPM CUT LENGTH



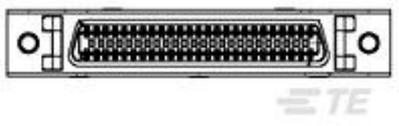
TE Part #532448-3
HDI PIN ASSY 4 ROW 128 POS



TE Part #5435166-2
DIP SW ASSY-BLK SPST-4POS



TE Part #4-1437564-1
TST71218=TST WITH CONDUCTIVE B



TE Part #2-2232304-1
SCSI .050 VERTICAL REC ASS'Y 20P PLASTIC



TE Part #1408340-1
QMA PANEL MT (SCREW-IN) JACK-S

Documents

CAD Files

Customer View Model
ENG_CVM_1462050-2_A6.3d_igs.zip
English

Customer View Model
ENG_CVM_1462050-2_A6.3d_stp.zip
English

Customer View Model
ENG_CVM_1462050-2_A6.2d_dxf.zip
English

3D PDF
English

3D PDF
3D

Customer View Model
ENG_CVM_CVM_1-1462050-4_C2.2d_dxf.zip
English

Customer View Model
ENG_CVM_CVM_1-1462050-4_C2.3d_igs.zip
English

Customer View Model
ENG_CVM_CVM_1-1462050-4_C2.3d_stp.zip
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

HF3 Relay Datasheet
English

Product Specifications

Definitions General Purpose Relays
English