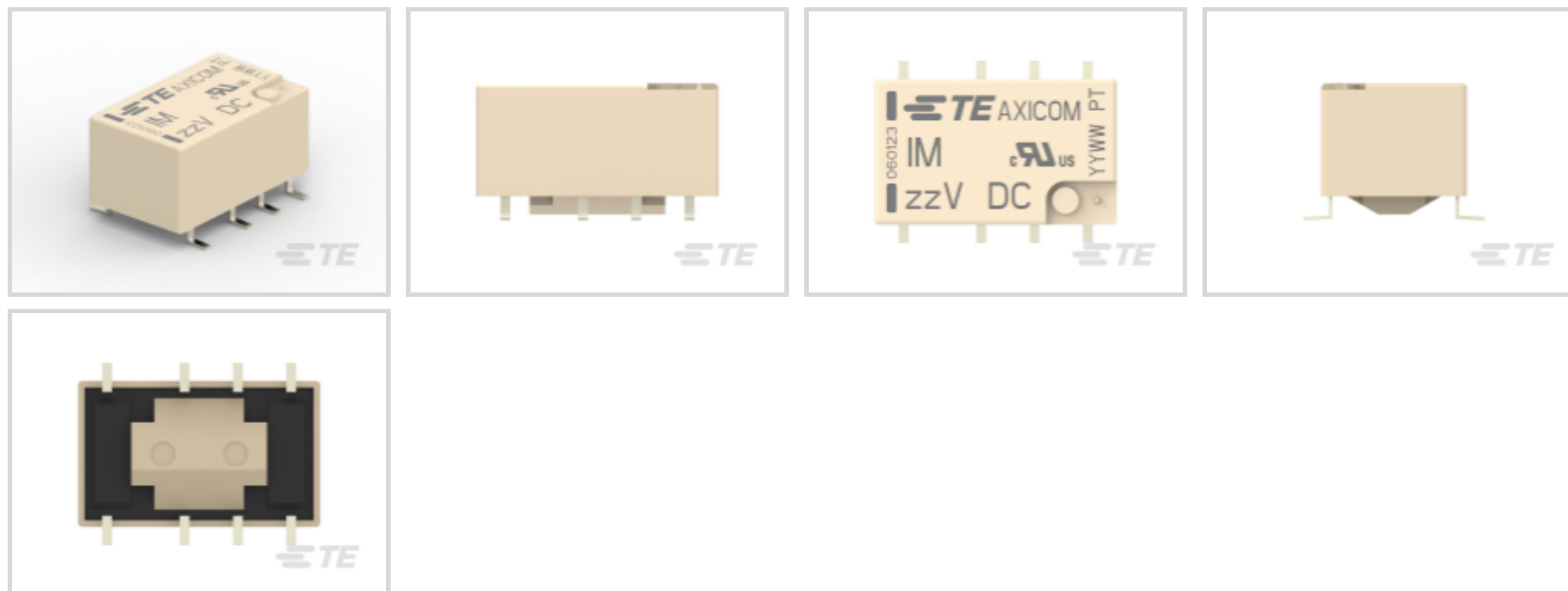




Relays, Contactors & Switches > Relays > Signal Relays > IM STANDARD (2 FORM C, 2CO CONTACTS)



Contact Voltage Rating: **220 VDC**

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

Isolation (HF Parameter): **-18.8dB @ 900MHz, -37dB @ 100MHz**

Insertion Loss (HF Parameter): **-.03dB @ 100MHz, -.33dB @ 900MHz**

[All IM STANDARD \(2 FORM C, 2CO CONTACTS\) \(73\)](#)

Features

Product Type Features

Relay Type	IM Relay
Product Type	Relay

Electrical Characteristics

Coil Power Rating Class	50 – 300 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Short-Time Current	2 A
Insulation Initial Dielectric Between Contacts and Coil	1800 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	1500 V – 2500 VA
Voltage Standing Wave Ration (HF Parameter)	1.06 @ 100MHz, 1.49 @ 900Mhz
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Making Current	2 A
Coil Resistance	145 Ω

Contact Limiting Continuous Current	2 A
Coil Type	Monostable
Contact Limiting Breaking Current	2 A
Contact Switching Load (Min)	.1mA @ .0001V
Contact Voltage Rating	220 VDC
Signal Relay Coil Power Rating (DC)	140 mW
Signal Relay Coil Voltage Rating	4.5 VDC
Signal Relay Contact Switching Voltage (Max)	220 VDC
Signal Relay Coil Magnetic System	Monostable, DC, Polarized

Signal Characteristics

Isolation (HF Parameter)	-18.8dB @ 900MHz, -37dB @ 100MHz
Insertion Loss (HF Parameter)	-.03dB @ 100MHz, -.33dB @ 900MHz

Body Features

Insulation Special Features	2500V Initial Surge Withstand Voltage between Contacts & Coil
Weight	.75 g[.026 oz]

Contact Features

Contact Plating Material	Gold
Contact Current Class	0 – 2 A
Contact Special Features	Bifurcated/Twin Contacts
Signal Relay Terminal Type	PCB-SMT
Signal Relay Contact Current Rating	2 A
Signal Relay Contact Arrangement	2 Form C (2 CO)
Contact Material	PdRu+Au
Contact Number of Poles	2

Termination Features

Termination Type	Surface Mount
------------------	---------------

Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board
----------------------------	-----------------------

Dimensions

Width Class (Mechanical)	0 – 6 mm
Width	6 mm[.222 in]

Height	5.65 mm[.221 in]
Length Class (Mechanical)	0 – 10 mm
Length	10 mm[.393 in]
Height Class (Mechanical)	0 – 6 mm
Dimensions (L x W x H) (Approximate)	10 x 6 x 5.65 mm[.393 x .236 x .222 in]

Usage Conditions

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

Operation/Application

Performance Type	Standard
------------------	----------

Packaging Features

Packaging Method	Reel
------------------	------

Other

Additional Features	Gull Wing
---------------------	-----------

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

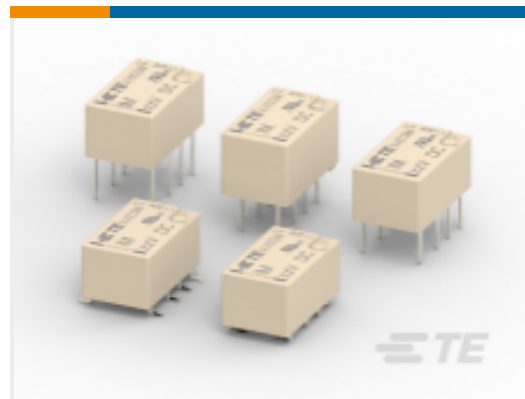
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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 # CAT-AX41-IM11B
IM STANDARD (2 FORM C, 2CO CONTACTS)



TE Part # 9-1462038-8
IM02DGR=IM RELAY 140MW 4.5V

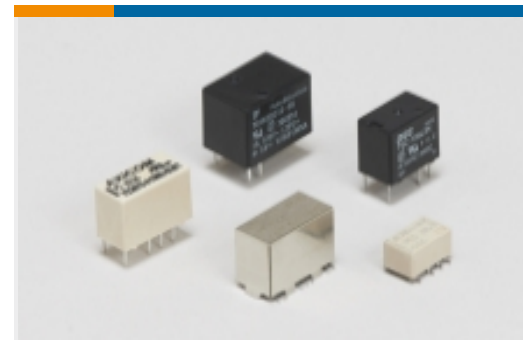


TE Part # 8-1462039-1
IM02GR(EMEA)=IM RELAY 140MW 4.5V

Also in the Series | Axicom IM



RJ45 Connectors(2)

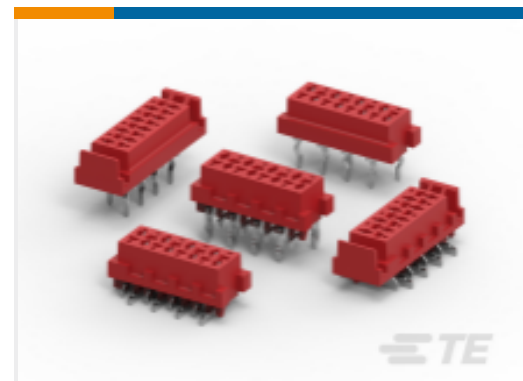


Signal Relays(123)

Customers Also Bought



TE Part #1367073-1
SFP Connectors



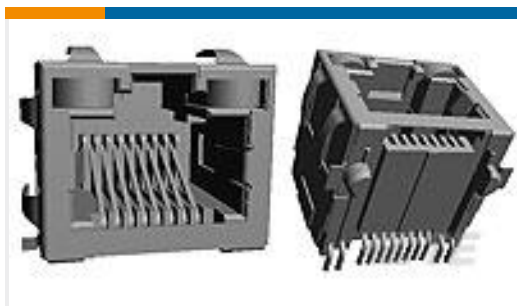
TE Part #7-188275-6
FEMALE-ON-BOARD CONNECTOR TOP ENTRY



TE Part #1571983-4
GDH04S04=DIP SWITCH



TE Part #5787617-1
RECP ASSY, R/A, STACKED, THRU-HOLE, USB,



TE Part #6339160-1
MJ,RJ45,SMT,SHLD,PANEL GRD



TE Part #1734035-1
MINI USB, TYPE B, R/A, SMT



TE Part #1241050-3
2x3P MOD II BREAK AWAY HDR,SMD,
BLISTER



TE Part #1462037-1
IM STANDARD (2 FORM C, 2CO
CONTACTS)

Documents

Product Drawings

[IM02GR=IM RELAY 140 MW 4.5 V](#)

English

[IM02GR=IM RELAY 140 MW 4.5 V](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_1462037-2_A.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_1462037-2_A.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_1462037-2_A.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

[Lighting Relays Guide](#)

English

[IM_Datasheet PCN P-20-019002](#)

English

[Industrial Relays Quick Reference Guide](#)

English

[Industrial Relays Quick Reference Guide](#)

Japanese

[Industrial Relays Quick Reference Guide](#)

Product Specifications

[Definitions Relays](#)



English