

1422007-8 ✓ ACTIVE

[Axicom](#) | [Axicom P2 Signal Relay](#)

TE Internal #: 1422007-8

Axicom P2 Signal Relay, Signal Relays, 250VAC Contact Voltage Rating, 220VDC Contact Voltage Rating, 140mW Signal Relay Coil Power Rating (DC)

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Signal Relays > AXICOM P2 STANDARD



Contact Voltage Rating: **220 VDC**

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

Signal Relay Mounting Type: **Printed Circuit Board**

Signal Relay Terminal Type: **PCB-SMT**

[All AXICOM P2 STANDARD \(85\)](#)

Features

Product Type Features

| | |
|--------------|-----------------|
| Relay Type | P2 Relay V23079 |
| Relay Style | P2 V23079 Relay |
| Product Type | Relay |

Electrical Characteristics

| | |
|--|-------------------------------|
| Coil Power Rating Class | 100 – 150 mW |
| Actuating System | DC |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Limiting Short-Time Current | 2 A |
| Insulation Initial Dielectric Between Contacts and Coil | 1500 Vrms |
| Insulation Creepage Class | 1.5 – 3 mm |
| Insulation Initial Dielectric Between Coil/Contact Class | 1000 V – 1500 VA |
| Voltage Standing Wave Ration (HF Parameter) | 1.04 @ 100MHz, 1.4dB @ 900MHz |
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms |
| Power Consumption | 140 mW |
| Contact Limiting Making Current | 2 A |
| Coil Resistance | 64 Ω |
| Contact Limiting Continuous Current | 2 A |
| Insulation Creepage Between Contact and Coil | 2.5 mm[.098 in] |



| | |
|--|------------------------------|
| Coil Type | Bistable, 2 Coils |
| Contact Limiting Breaking Current | 2 A |
| Contact Switching Load (Min) | 10mA @ .2V |
| Coil Special Features | Overmolded Coil |
| Contact Voltage Rating | 220 VDC |
| Signal Relay Coil Power Rating (DC) | 140 mW |
| Signal Relay Coil Voltage Rating | 3 VDC |
| Signal Relay Contact Switching Voltage (Max) | 220 VDC |
| Signal Relay Coil Magnetic System | Bistable, 2 Coils, Polarized |

Body Features

| | |
|-----------------------------|---|
| Insulation Special Features | 2500V Initial Surge Withstand Voltage between Contacts & Coil |
| Weight | 2.8 g[.0988 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 (CO) |
| Contact Material | AgNi+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) | 6 – 8 mm |
| Width | 7.2 mm[.283 in] |
| Length Class (Mechanical) | 14 – 16 mm |
| Insulation Clearance Between Contact and Coil | 1.3 mm[.051 in] |
| Height Class (Mechanical) | 9 – 10 mm |
| Length | 14.6 mm[.575 in] |



| | |
|----------------------------|------------|
| Insulation Clearance Class | 0 – 2.5 mm |
|----------------------------|------------|

Usage Conditions

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

Operation/Application

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

Packaging Features

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

Other

| | |
|---------------------|----------------|
| Additional Features | Long Terminals |
|---------------------|----------------|

Product Compliance

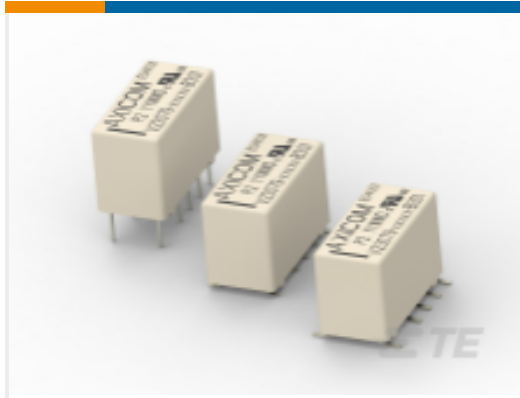
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| 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: JUL 2019 (201) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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 Model / Part # CAT-AX41-P1A
AXICOM P2 STANDARD

Also in the Series | Axicom P2 Signal Relay

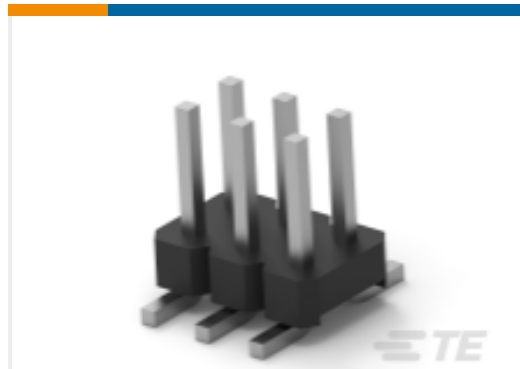


Signal Relays(92)

Customers Also Bought



TE Model / Part #5-1623795-1
Wirewound Resistor: Horizontal Mount



TE Model / Part #2842144-3
6P,2MM,BRK HDR,DRV,T,SMD,0.76AU, TR W/CAP



TE Model / Part #1766442-1
284-0223-01303=CONN,SKT,MINI



TE Model / Part #2825211-1
VAL-U-LOK SKT HCS SN 18-22AWG



TE Model / Part #2176338-8
CRGCQ 0402 15R 5%



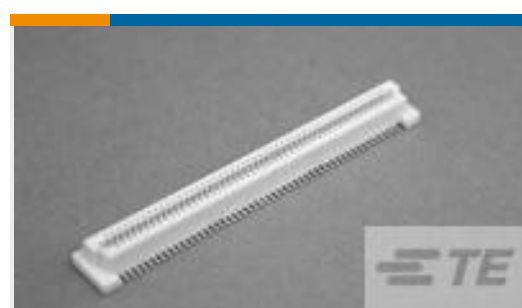
TE Model / Part #8-1879354-4
RR03 5% 910R AMMO



TE Model / Part #1-2186498-1
T200-PRINTER-PERF-BLADE-FIXED



TE Model / Part #9-1614350-0
RN 0603 10R7 0.1% 10PPM 1K RL



TE Model / Part #6123000-6
0.8FH,R05H.5,140,30/Sn,TU



TE Model / Part #6-2176375-5
RQ 0805 5K36 0.1% 10PPM 1K RL

Documents

Product Drawings

[V23079E2208B301](#)

English

[V23079E2208B301](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1422007-8_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1422007-8_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1422007-8_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AXICOM Latching Relays](#)

English

[Transportation, Storage, Handling, Assembly and Testing of AXICOM SMT Relays](#)

English

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

English

[Industrial Relays Quick Reference Guide](#)

English

Product Specifications

[Product Specification](#)

English

[Definitions Relays](#)

English



Product Environmental Compliance

Product Compliance

English

Product Compliance

English