



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



Contact Voltage Rating: **250 VAC**

Signal Relay Coil Power Rating (DC): **682 mW**

Signal Relay Mounting Type: **Screw Mount, Socket**

Signal Relay Terminal Type: **Plug-In, Solder**

[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                        |
| Insulation Initial Resistance                            | 1000 MΩ                       |
| Contact Limiting Making Current                          | 2 A                           |
| Coil Resistance                                          | 257 Ω                         |
| Contact Limiting Continuous Current                      | 2 A                           |



|                                              |                           |
|----------------------------------------------|---------------------------|
| Insulation Creepage Between Contact and Coil | 2.5 mm[.098 in]           |
| Coil Type                                    | Monostable                |
| Contact Limiting Breaking Current            | 2 A                       |
| Contact Switching Load (Min)                 | 10mA @ .2V                |
| Coil Special Features                        | Overmolded Coil           |
| Contact Voltage Rating                       | 250 VAC                   |
| Signal Relay Coil Power Rating (DC)          | 682 mW                    |
| Signal Relay Coil Voltage Rating             | 6 VDC                     |
| Signal Relay Contact Switching Voltage (Max) | 250 VAC                   |
| Signal Relay Coil Magnetic System            | Monostable, DC, 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          | Plug-In, Solder          |
| 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 | Screw Mount, Socket |
|----------------------------|---------------------|

Dimensions

|                                               |                 |
|-----------------------------------------------|-----------------|
| Width Class (Mechanical)                      | 6 – 8 mm        |
| Width                                         | 7.2 mm[.283 in] |
| Height                                        | 9.9 mm[.39 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    |
| Operating Temperature Range             | -40 – 85 °C  |

Operation/Application

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

Packaging Features

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

Other

|                     |                 |
|---------------------|-----------------|
| Additional Features | Short 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>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

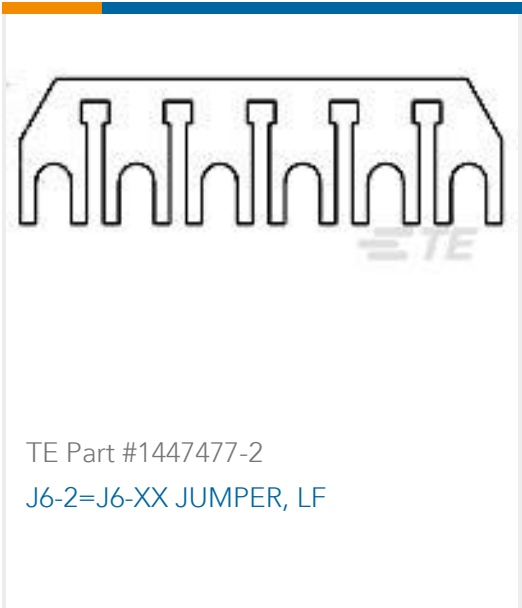
TE Part # CAT-AX41-P1A

AXICOM P2 STANDARD

Also in the Series | Axicom P2 Signal Relay

Signal Relays(92)

Customers Also Bought



Documents

Product Drawings

V23079G2002B301

English

CAD Files

3D PDF

3D

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1393789-3\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1393789-3\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1393789-3\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1393789-0\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1393789-0\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1393789-0\_C.3d\_stp.zip

English

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

Datasheets & Catalog Pages

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

[P2 Relay Datasheet](#)

English

[Industrial Relays Quick Reference Guide](#)

Japanese

[Industrial Relays Quick Reference Guide](#)

---

**Product Specifications**

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English