

# R10-E2Y1-V700 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 2-1393767-0

Potter & Brumfield R10, Power Relays, Industrial Panel Plug-In,  
Monostable, DC, 800 – 1000mW Coil Power Rating Class, 900mW  
Coil Power Rating DC

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **800 – 1000 mW**

Coil Power Rating DC: **900 mW**

Coil Resistance: **700  $\Omega$**

## Features

### Product Type Features

|                  |                          |
|------------------|--------------------------|
| Power Relay Type | Industrial Panel Plug-In |
|------------------|--------------------------|

### Electrical Characteristics

|  |                   |
|--|-------------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 500 – 1000 V      |
| Insulation Initial Dielectric Between Contacts & Coil      | 1000 Vrms         |
| Actuating System   | DC                |
| Insulation Initial Dielectric Between Open Contacts        | 500 Vrms          |
| Contact Limiting Making Current                            | 3 A               |
| Contact Limiting Short-Time Current                        | 3 A               |
| Contact Limiting Continuous Current                        | 3 A               |
| Insulation Initial Dielectric Between Adjacent Contacts    | 1000 Vrms         |
| Insulation Initial Resistance                              | 10000 M $\Omega$  |
| Contact Limiting Breaking Current                          | 3 A               |
| Coil Magnetic System                                       | Monostable, DC    |
| Coil Power Rating Class                                    | 800 – 1000 mW     |
| Coil Power Rating DC                                       | 900 mW            |
| Coil Resistance  | 700 $\Omega$      |
| Coil Special Features                                      | Sensitive Version |
| Coil Voltage Rating  | 24 VDC            |

|                              |             |
|------------------------------|-------------|
| Contact Switching Load (Min) | 100mA @ 12V |
|------------------------------|-------------|

|                        |         |
|------------------------|---------|
| Contact Voltage Rating | 120 VAC |
|------------------------|---------|

### Body Features

|                |               |
|----------------|---------------|
| Product Weight | 40 g[1.41 oz] |
|----------------|---------------|

### Contact Features

|                          |                |
|--------------------------|----------------|
| Contact Special Features | Single Contact |
|--------------------------|----------------|

|                     |               |
|---------------------|---------------|
| Contact Arrangement | 1 Form C (CO) |
|---------------------|---------------|

|                       |               |
|-----------------------|---------------|
| Contact Current Class | 2 – 5 A, 16 A |
|-----------------------|---------------|

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 3 A |
|------------------------------|-----|

|                  |    |
|------------------|----|
| Contact Material | Ag |
|------------------|----|

|                         |   |
|-------------------------|---|
| Contact Number of Poles | 1 |
|-------------------------|---|

|               |         |
|---------------|---------|
| Terminal Type | PCB-THT |
|---------------|---------|

### Mechanical Attachment

|                     |                       |
|---------------------|-----------------------|
| Relay Mounting Type | Printed Circuit Board |
|---------------------|-----------------------|

### Dimensions

|                           |            |
|---------------------------|------------|
| Length Class (Mechanical) | 20 – 25 mm |
|---------------------------|------------|

|                           |            |
|---------------------------|------------|
| Height Class (Mechanical) | 30 – 40 mm |
|---------------------------|------------|

|                          |            |
|--------------------------|------------|
| Width Class (Mechanical) | 16 – 20 mm |
|--------------------------|------------|

|               |                  |
|---------------|------------------|
| Product Width | 18.7 mm[.736 in] |
|---------------|------------------|

|                |                  |
|----------------|------------------|
| Product Length | 24.1 mm[.949 in] |
|----------------|------------------|

|                |                   |
|----------------|-------------------|
| Product Height | 30.2 mm[1.189 in] |
|----------------|-------------------|

### Usage Conditions

|   |            |
|---|------------|
| Environmental Ambient Temperature Class | 70 – 85 °C |
|---|------------|

|   |               |
|---|---------------|
| Environmental Ambient Temperature (Max) | 75 °C[167 °F] |
|---|---------------|

|                             |             |
|-----------------------------|-------------|
| Operating Temperature Range | -55 – 75 °C |
|-----------------------------|-------------|

### Packaging Features

|                  |         |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

|                              |                           |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
|------------------------------|---------------------------|

|                             |                           |
|-----------------------------|---------------------------|
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
|-----------------------------|---------------------------|










|   |  |
|---|--|
| China RoHS 2 Directive MIIT Order No 32, 2016 | 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>SVHC > Threshold:<br>Pb (3.7% in Component part)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Not Yet Reviewed for halogen content   |
| Solder Process Capability                     | Wave solder capable to 260°C   |

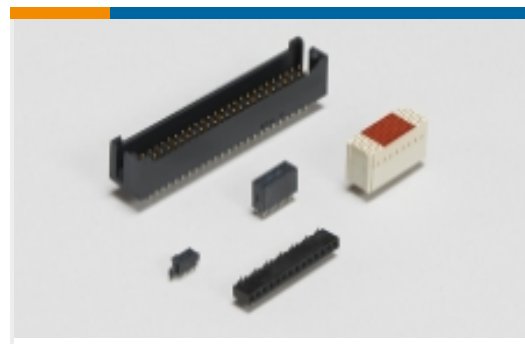
Product Compliance Disclaimer

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>

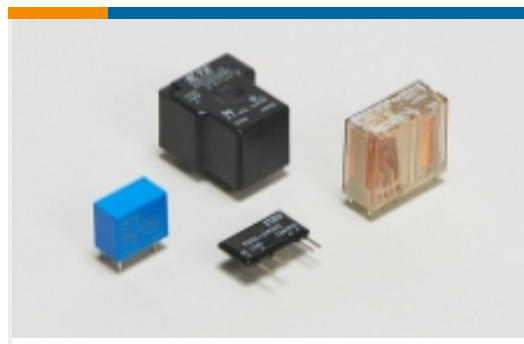
### Compatible Parts

|  |  |  |  |
|--|--|--|--|
| <br>TE Part # 1393143-8<br>27E125=SOCKET,R10,10,SLG,PHE | <br>TE Part # 1-1393143-1<br>27E128=SOCKET,R10,10,PC,PHEN | <br>TE Part # 2-1393143-4<br>27E212=SOCKET,R10,10,PC,PHEN | <br>TE Part # 2-1393143-1<br>27E193=SOCKET,R10,11,PC,PHEN |
| <br>TE Part # 3-1393143-6<br>27E342=SOCKETS             | <br>TE Part # 1-1393143-6<br>27E162=SOCKET,R10,10,SLG,PHE | <br>TE Part # 5-1393143-0<br>27E636=SOCKETS               |  |

### Also in the Series | Potter & Brumfield R10



Board-to-Board Headers & Receptacles(1)



Power Relays(180)

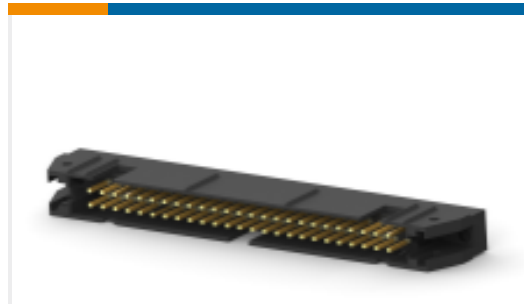


Relay Accessories, Sockets & Clips(34)

## Customers Also Bought



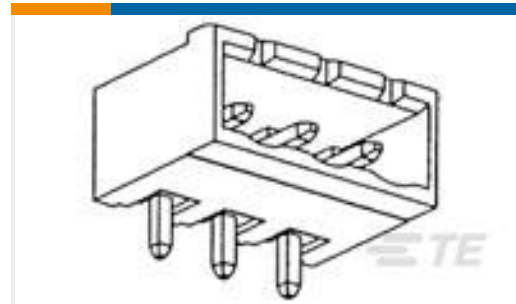
TE Part #66460-1  
PIN, .062 DIA, .025 SQ POST, LP



TE Part #499374-2  
AMP-LATCH UNIVERSAL HEADERS



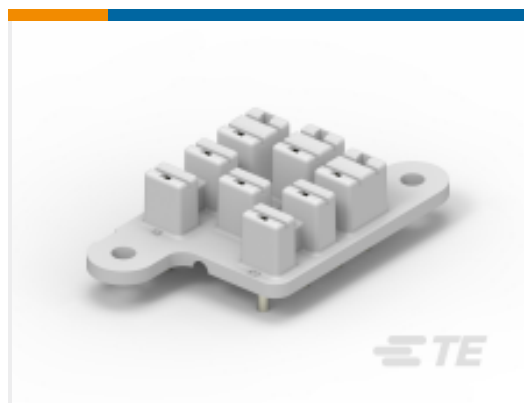
TE Part #382602-000  
44A1121-24-0/2-9



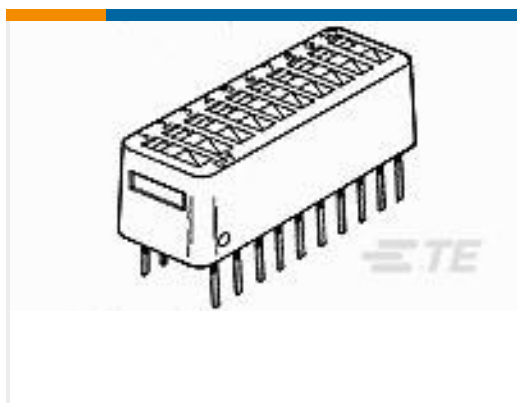
TE Part #282962-3  
TERMI-BLOK HEADER ASSY90 3P.



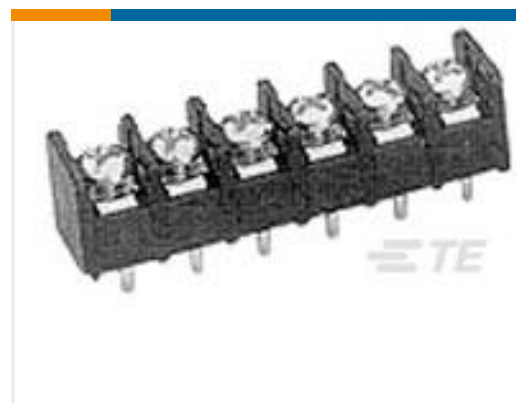
TE Part #204226-002  
55A0112-20-9



TE Part #2-1393143-0  
27E168=SOCKET, KU93, 11, PC, NYL



TE Part #2-435668-6  
DIP SW 2 POSN W/TAPE AU



TE Part #3-1437646-4  
3PCV-02-008=3PCV-ASSY



TE Part #4-853720-3  
BLADE, SLUG



TE Part #YAFD50-24-61PNC012  
RECP ASSY

## Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2-1393767-0\\_B.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2-1393767-0\\_B.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-1393767-0\\_B.3d\\_stp.zip](#)

English

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

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## Datasheets & Catalog Pages

[R10 General Purpose Dry Circuit to 7.5 Amp Multicontact AC or DC Relay](#)

English

[Industrial Relays Quick Reference Guide](#)

English

[Industrial Relays Quick Reference Guide](#)

Japanese

[Industrial Relays Quick Reference Guide](#)

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## Product Specifications

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

English