

R10-E1Y2-J5.0K

! PENDING OBSOLESCENCE

Potter & Brumfield | Potter & Brumfield R10

TE Internal #: 3-1393766-5

TE Internal Description: R10-E1Y2-J5.0K=R10

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Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Signal Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Contact Current Rating: **3 A**

Features

Product Type Features

|                        |                              |
|------------------------|------------------------------|
| Relay & Contactor Type | General Purpose Signal Relay |
|------------------------|------------------------------|

Configuration Features

|                         |                   |
|-------------------------|-------------------|
| Contact Number of Poles | 2                 |
| Coil Special Features   | Sensitive Version |
| Contact Arrangement     | 2 Form C DPDT-CO  |

Electrical Characteristics

|                                                         |             |
|---------------------------------------------------------|-------------|
| Insulation Initial Dielectric Between Open Contacts     | 500 Vrms    |
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms   |
| Contact Switching Load (Min)                            | 100mA @ 12V |
| Coil Resistance                                         | 5000 Ω      |
| Insulation Initial Resistance                           | 10000 MΩ    |
| Contact Current Rating                                  | 3 A         |
| Contact Voltage Rating                                  | 120 VAC     |
| Coil Power Rating DC                                    | .085 W      |
| Insulation Initial Dielectric Between Contacts & Coil   | 1000 Vrms   |

Body Features

|                |                |
|----------------|----------------|
| Product Weight | 40 g[1.41 oz]  |
| Enclosure Type | Dust Protected |

Contact Features

|  |  |
|--|--|
|  |  |
|--|--|



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

Termination Features

|                                    |                          |
|------------------------------------|--------------------------|
| Main Termination & Connection Type | Solder/Plug-In Terminals |
| Coil Termination & Connection Type | Solder/Plug-In Terminals |

Mechanical Attachment

|                               |                      |
|-------------------------------|----------------------|
| Product Mounting Feature Type | Mounting Studs       |
| Product Mount Type            | Panel & Socket Mount |

Dimensions

|                |                   |
|----------------|-------------------|
| Product Width  | 18.66 mm[.734 in] |
| Product Length | 24.13 mm[.95 in]  |
| Product Height | 29.97 mm[1.17 in] |

Usage Conditions

|                                         |                           |
|-----------------------------------------|---------------------------|
| Operating Temperature Range             | -55 – 75 °C[-67 – 167 °F] |
| Environmental Category of Protection    | RTI                       |
| Environmental Ambient Temperature (Max) | 75 °C[167 °F]             |

Operation/Application

|                      |            |
|----------------------|------------|
| Current Type         | DC         |
| Coil Magnetic System | Monostable |

Packaging Features

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

Other

|                                         |            |
|-----------------------------------------|------------|
| Coil Power Rating Class                 | 0 – .1 W   |
| Contact Current Class                   | 16 A       |
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Height Class (Mechanical)               | 30 – 40 mm |
| Length Class (Mechanical)               | 25 – 30 mm |
| Width Class (Mechanical)                | 16 – 20 mm |

Product Compliance

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

|                              |                           |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC  | Compliant with Exemptions |

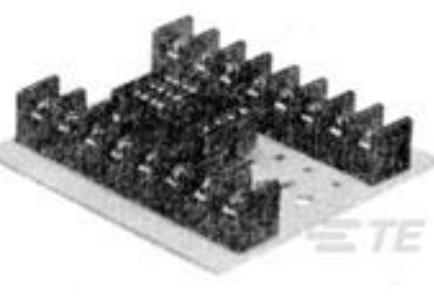


|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Pb (3.7% in 74019106)<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                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                                                                                                                                                                                                                                                                                                                    |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                           |

Product Compliance Disclaimer

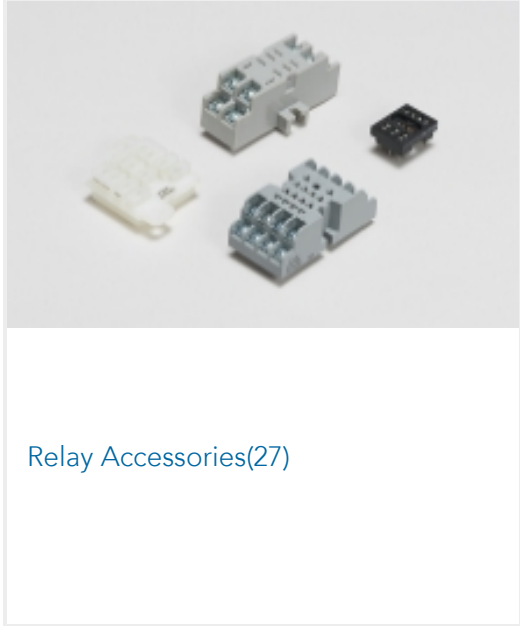
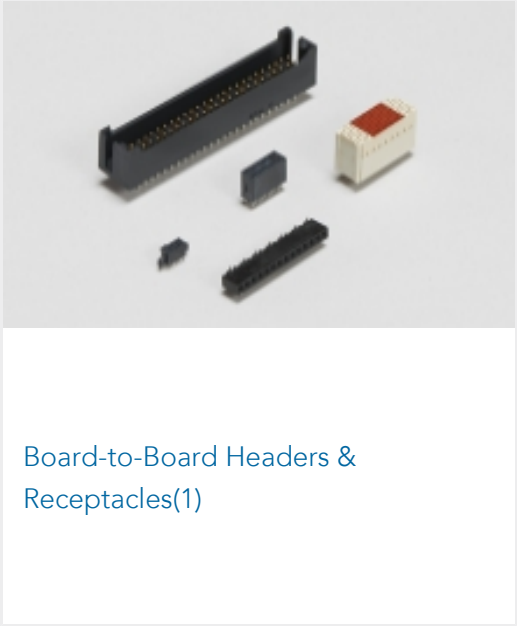
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

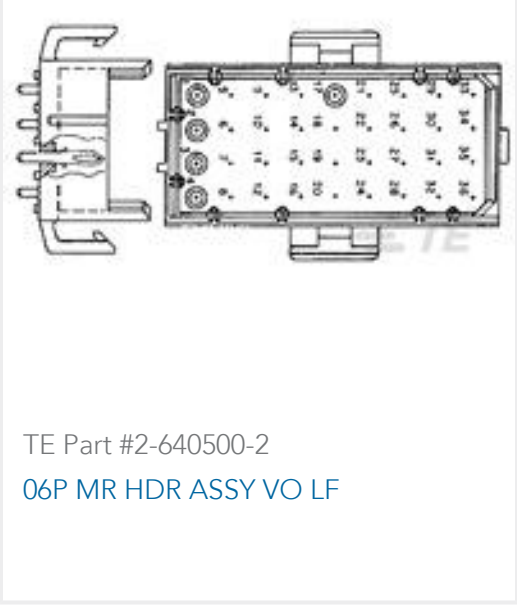
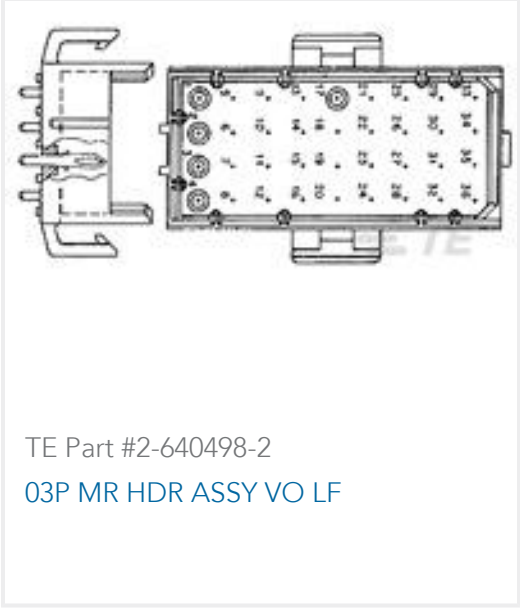
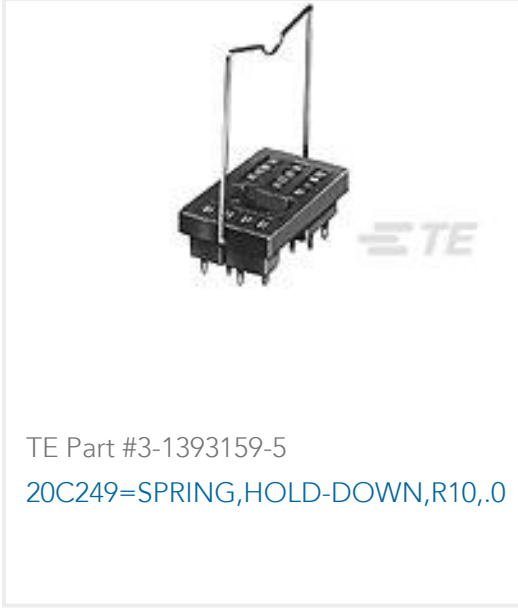
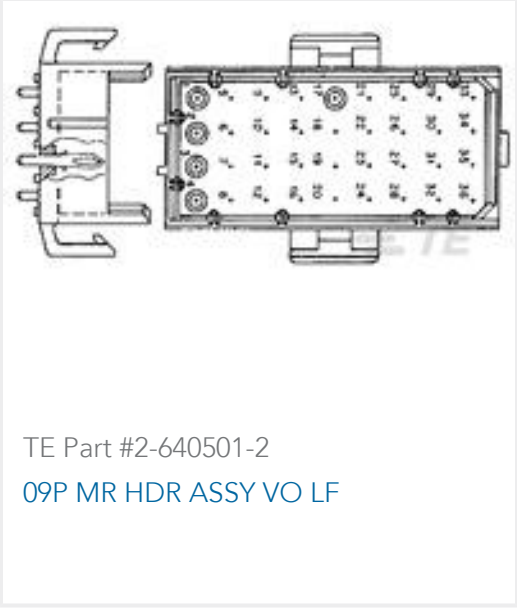
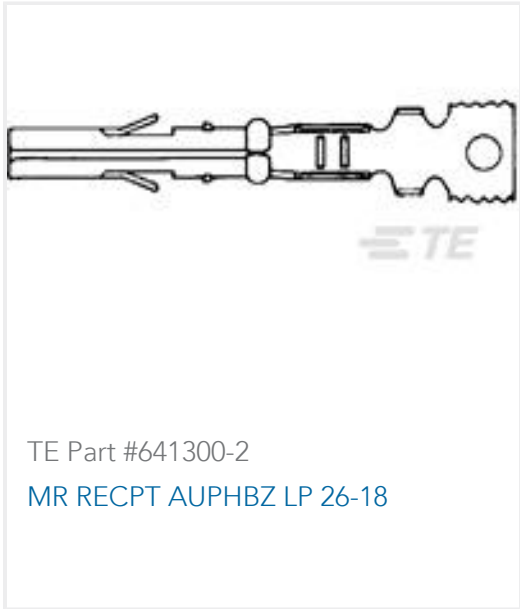
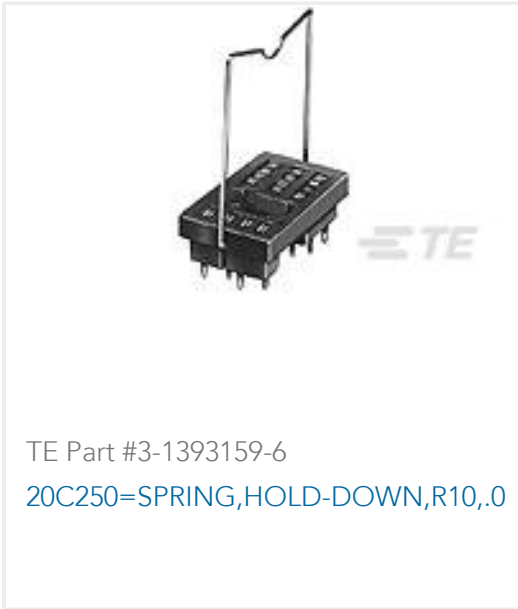
|                                                                                                                                                   |                                                                                                                                                             |                                                                                                                                                                |                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-1393143-1<br/>27E128=SOCKET,R10,10,PC,PHEN</p> |  <p>TE Part # 4-1393143-1<br/>27E446=SOCKET,R10,2POLE,FLG-MNT,SOLDER</p> |  <p>TE Part # 1393143-8<br/>27E125=SOCKET,R10,10,SLG,PHE</p>              |  <p>TE Part # 2-1393143-1<br/>27E193=SOCKET,R10,11,PC,PHEN</p>      |
|  <p>TE Part # 2-1393143-4<br/>27E212=SOCKET,R10,10,PC,PHEN</p> |  <p>TE Part # 5-1393143-0<br/>27E636=SOCKET,R10,2POLE,PCB,,210</p>       |  <p>TE Part # 1393837-1<br/>27E460=SOCKET,R10,2POLE,PCB,TRCK-MNT,SCRW</p> |  <p>TE Part # 3-1393143-4<br/>27E317=SOCKET,R10,2POLE,W/BRACKET</p> |



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



Customers Also Bought





Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-1393766-5\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1393766-5\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1393766-5\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

R10 General Purpose Dry Circuit to 7.5 Amp Multicontact AC or DC Relay

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

CSA Certificate

English