

**R10S-E1Y2-J500**

✓ ACTIVE

**Potter & Brumfield | Potter & Brumfield R10**

TE Internal #: 7-1393769-6

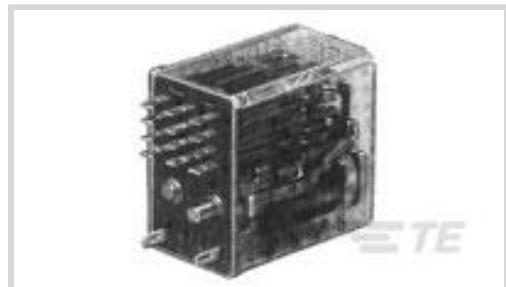
Power Relays, General Purpose Power Relay, Monostable, 20 mW

Coil Power Rating DC, 500 Ω Coil Resistance, Sensitive Version,

Potter &amp; Brumfield R10

[View on TE.com >](#)

Relays &amp; Contactors &gt; Relays &gt; Power Relays

Relay Type: **General Purpose Power Relay**Coil Magnetic System: **Monostable**Coil Power Rating DC: **20 mW**Coil Resistance: **500 Ω**Coil Special Features: **Sensitive Version**

## Features

### Product Type Features

Relay Type	General Purpose Power Relay
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### Configuration Features

Coil Special Features	Sensitive Version
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Contact Arrangement	2 Form C (CO)
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Contact Number of Poles	2
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### Electrical Characteristics

Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
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Insulation Initial Dielectric Between Open Contacts	500 Vrms
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Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
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Insulation Initial Resistance	10000 MΩ
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Coil Power Rating DC	20 mW
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Coil Resistance	500 Ω
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Contact Current Rating	3 A
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Contact Switching Load (Min)	100mA @ 12V
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Contact Voltage Rating	120 VAC
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### Body Features

Product Weight	40 g[1.41 oz]
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### Contact Features

## Contact Material

Ag

## Termination Features

## Relay Connection Type

Plug-In

## Mechanical Attachment

## Product Mounting Feature Type

Mounting Studs

## Product Mount Type

Socket

## Dimensions

## Product Width

18.67 mm[.735 in]

## Product Length

24.13 mm[.95 in]

## Product Height

38.1 mm[1.5 in]

## Usage Conditions

## Environmental Category of Protection

RTI

## Environmental Ambient Temperature (Max)

75 °C[167 °F]

## Operating Temperature Range

-55 – 75 °C

## Operation/Application

## Actuating System

DC

## Coil Magnetic System

Monostable

## Packaging Features

## Packaging Method

Package

## Other

## Length Class (Mechanical)

20 – 25 mm

## Insulation Initial Dielectric Between Coil &amp; Contact Class

500 – 1000 V

## Environmental Ambient Temperature Class

70 – 85 °C

## Height Class (Mechanical)

30 – 40 mm

## Coil Power Rating Class

0 – 100 mW

## Width Class (Mechanical)

16 – 20 mm

## Contact Current Class

16 A

## Product Compliance

For compliance documentation, visit the product page on TE.com&gt;

## 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 2024  
(240)Candidate List Declared Against: JAN 2023  
(233)SVHC > Threshold:  
Pb (3.7% in Component part)

## Article Safe Usage Statements:

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 &lt; 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

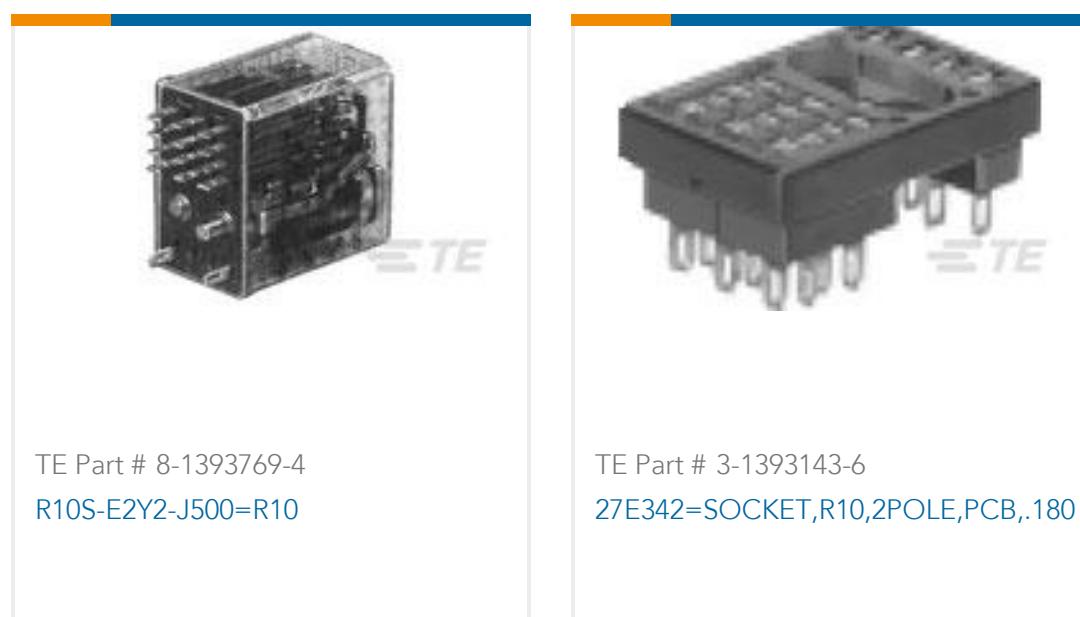
Not applicable for solder process capability

## Product Compliance Disclaimer

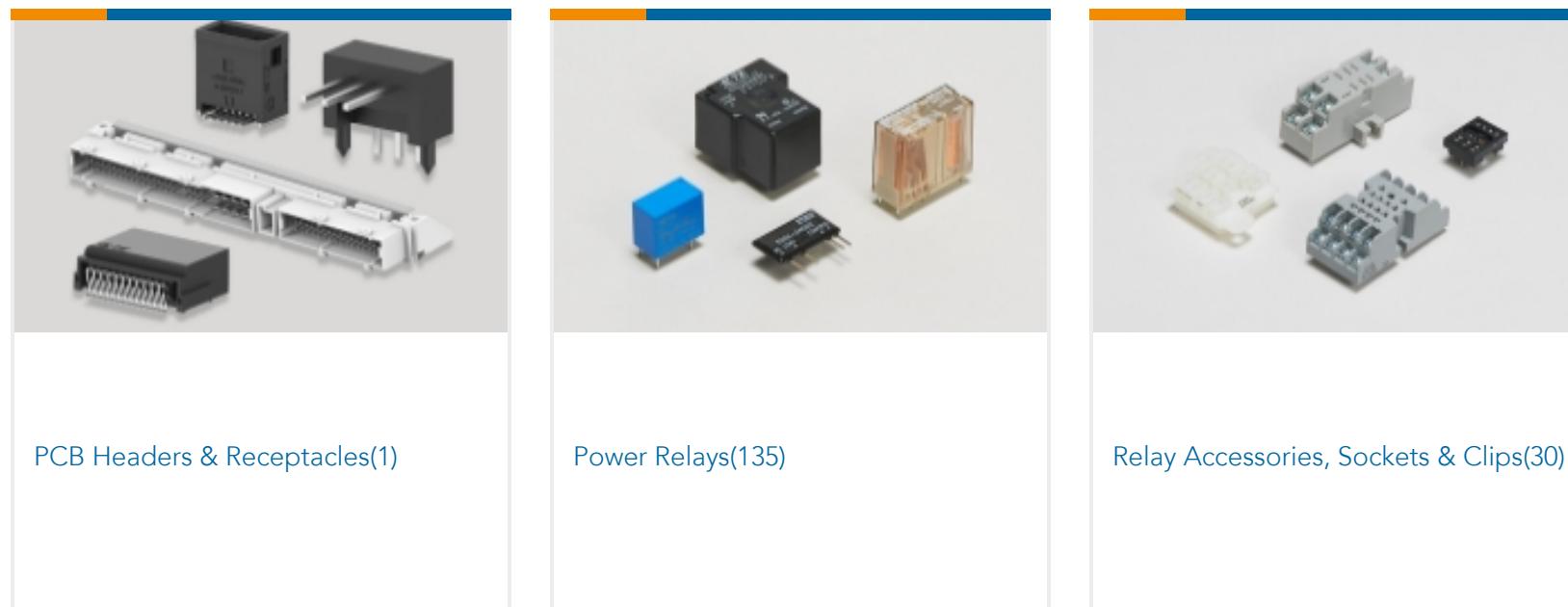
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

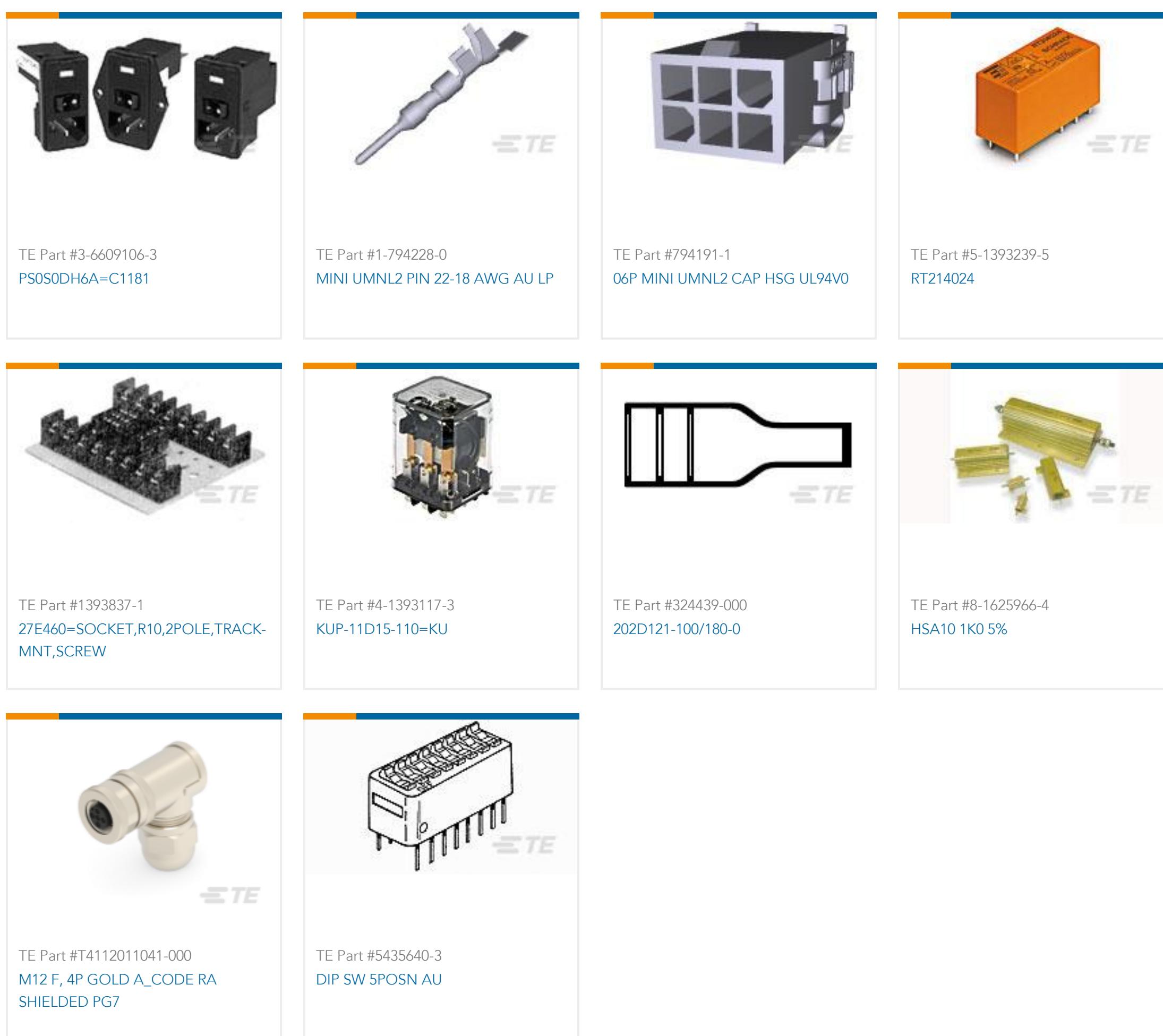
TE Part # 1393143-8  
27E125=SOCKET,R10,10,SLG,PHETE Part # 1-1393143-1  
27E128=SOCKET,R10,10,PC,PHENTE Part # 2-1393143-4  
27E212=SOCKET,R10,10,PC,PHENTE Part # 1393837-1  
27E460=SOCKET,R10,2POLE,TRACK-MNT,SCREWTE Part # 2-1393143-1  
27E193=SOCKET,R10,11,PC,PHENTE Part # 3-1393143-4  
27E317=SOCKET,R10,2POLE,W/BRACKETTE Part # 4-1393143-1  
27E446=SOCKET,R10,2POLE,FLG-MNT,SOLDERTE Part # 5-1393143-0  
27E636=SOCKET,R10,2POLE,PCB,.210

TE Part # 8-1393769-4  
R10S-E1Y2-J500=R10TE Part # 3-1393143-6  
27E342=SOCKET,R10,2POLE,PCB,.180

## Also in the Series | Potter & Brumfield R10



## Customers Also Bought

TE Part #3-6609106-3  
PS05DH6A=C1181TE Part #1-794228-0  
MINI UMNL2 PIN 22-18 AWG AU LPTE Part #794191-1  
06P MINI UMNL2 CAP HSG UL94V0TE Part #5-1393239-5  
RT214024TE Part #1393837-1  
27E460=SOCKET,R10,2POLE,TRACK-  
MNT,SCREWTE Part #4-1393117-3  
KUP-11D15-110-KUTE Part #324439-000  
202D121-100/180-0TE Part #8-1625966-4  
HSA10 1K0 5%TE Part #T4112011041-000  
M12 F, 4P GOLD A\_CODE RA  
SHIELDED PG7TE Part #5435640-3  
DIP SW 5POSN AU

## Documents

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_7-1393769-6\\_99.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-1393769-6\\_99.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-1393769-6\\_99.3d\\_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

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### Product Specifications

[Definitions General Purpose Relays](#)

English

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### Agency Approvals

[CSA Certificate](#)

English