



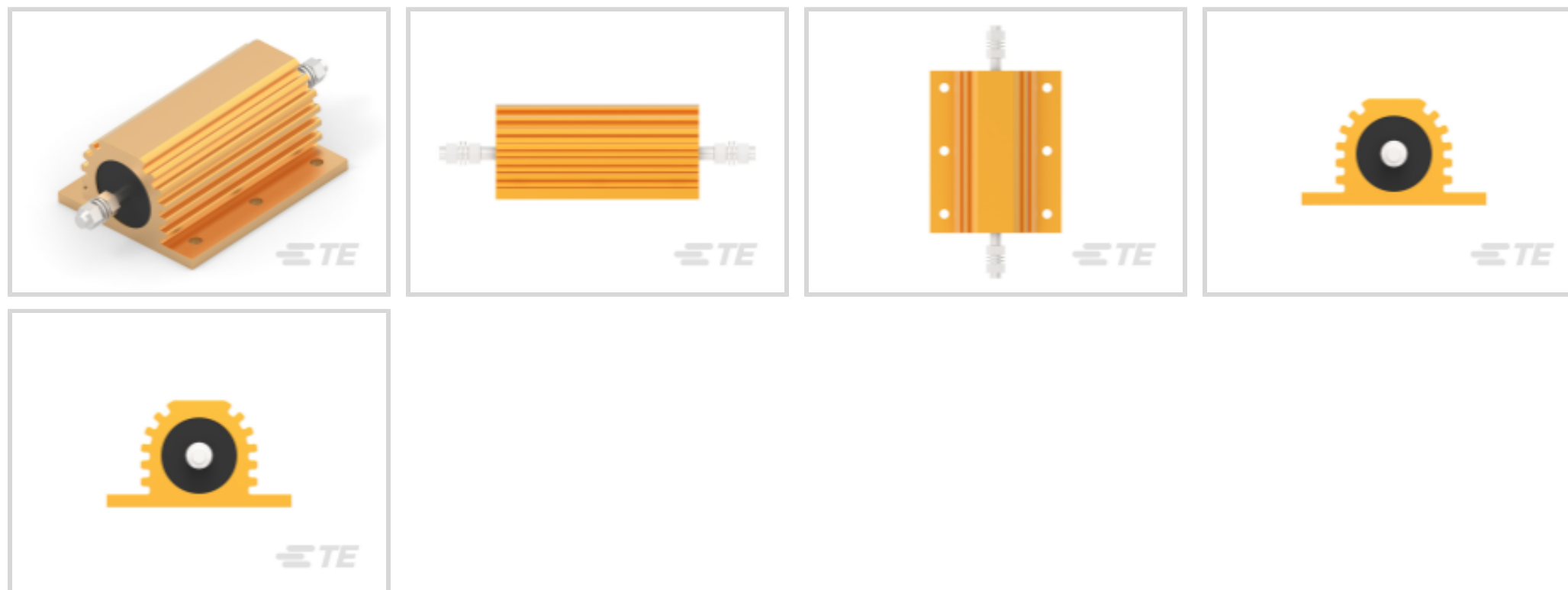
CGS | CGS HS

TE Internal #: 4-1630019-8

22K ohm, Wire Wound, 5 %, Power Resistor, 200 W, 2 Terminations, ±30 ppm/°C, M6 Threaded Stud, Loose Piece - Tray, 42 mm [1.654 in] Height, CGS HS

[View on TE.com >](#)

Passive Components > Resistors > Chassis Mount Resistors > Power Resistors: Aluminum Housed, HSA



Resistor Type: **Power Resistor**

Resistance Class: **1kΩ – 1MΩ**

Resistance Value: **22K Ω**

Power Rating: **200 W**

Element Type: **Wire Wound**

[All Power Resistors: Aluminum Housed, HSA \(384\)](#)

## Features

### Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Operating Voltage	1900 VAC
Resistance Class	1kΩ – 1MΩ
Resistance Value	22K Ω
Power Rating	200 W
Passive Component Tolerance	5 %

### Termination Features

Number of Terminations	2
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Chassis Mount Resistor Termination Type

M6 Threaded Stud

### Mechanical Attachment

Panel Mount Feature Type

Flange with Mounting Holes

### Dimensions

Product Height

42 mm[1.654 in]

Product Length

143 mm[5.629 in]

Product Width

73 mm[2.874 in]

### Usage Conditions

Temperature Coefficient

 $\pm 30$  ppm/ $^{\circ}$ C

### Packaging Features

Packaging Method

Loose Piece - Tray

## Product Compliance

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

有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2025 (250)  
 Candidate List Declared Against: JUN 2020 (209)  
 Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not applicable for solder process capability

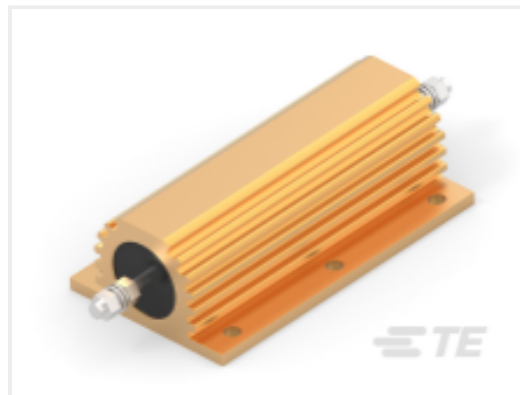
#### Product Compliance Disclaimer

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>

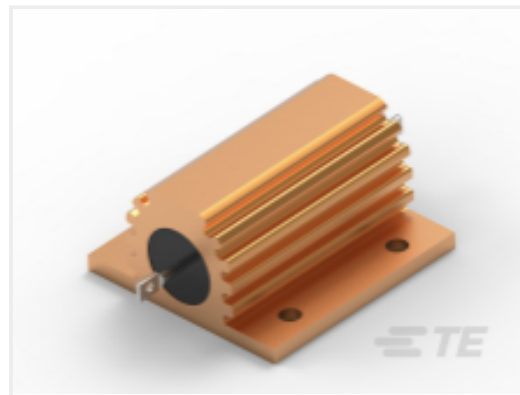
## Compatible Parts



TE Part # 1625999-3  
HSC100 10R 5%



TE Part # 1630027-1  
HSC300 100R 5%



TE Part # CAT-C339-H85913  
Power Resistors: Aluminum Housed,  
HSA

## Also in the Series | CGS HS



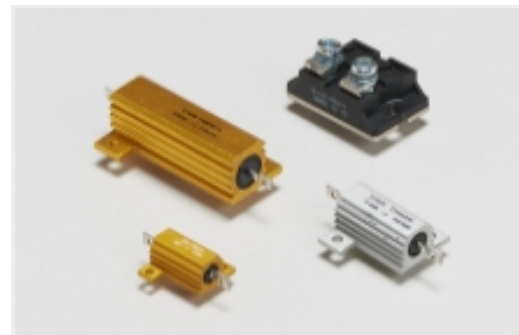
Automotive Housings(1)



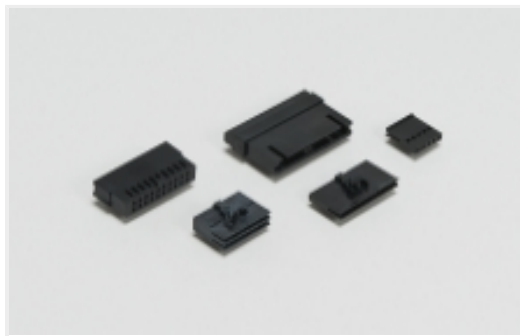
Automotive Signal & Power Connector  
Housings(1)



Card Edge Connector Housings(1)



Chassis Mount Resistors(1069)

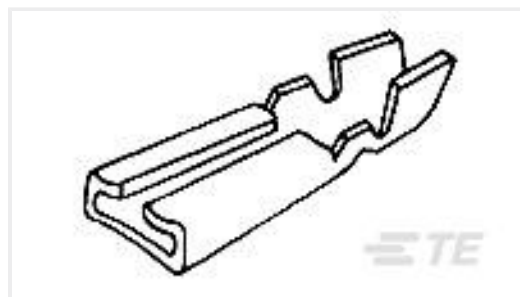


FFC Connectors(1)

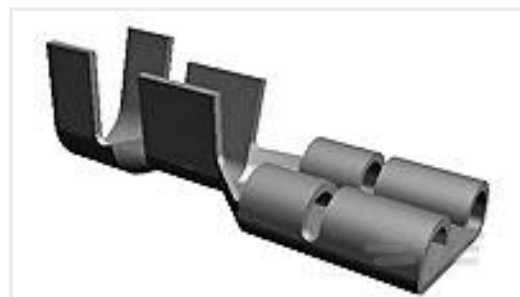
## Customers Also Bought



TE Part #HDP24-18-14PE  
REC, 14P, BLK, E, 16, P



TE Part #42765-1  
TAPER TAB 078 REVERSE REEL REC  
24-22TPBR



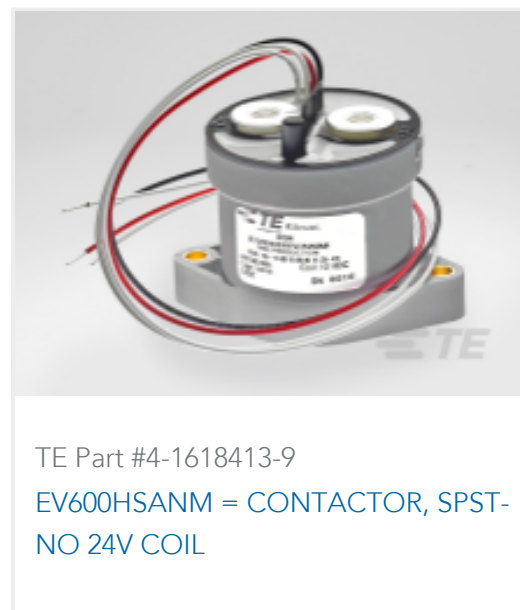
TE Part #63475-2  
187 FASTON REC 20-16 AWG TPBR



TE Part #174778-1  
PL 110 REC TERMINAL 20-16 AWG  
PTPB



TE Part #5-1393243-9  
RT424005



TE Part #4-1618413-9  
EV600HSANM = CONTACTOR, SPST-  
NO 24V COIL



TE Part #CAT-C339-SQ1  
Wirewound Resistor: Vertical Mount



TE Part #1-1623819-4  
SBL4 R051 5%



TE Part #7-1625984-5  
HSA50 680R 5%

## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_4-1630019-8\\_W1.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_4-1630019-8\\_W1.2d\\_dxf.zip](#)

English

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_4-1630019-8\\_W1.3d\\_igs.zip](#)

English

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

### Datasheets & Catalog Pages

[4-1773460-6\\_RESISTIVE\\_SOLUTIONS\\_RAIL](#)

English

[1309350\\_PASSIVE\\_COMPONENT](#)

English

[Aluminium Housed Power Resistors - Type HS Series](#)

English

[8-1773459-4\\_POWER\\_FILTERING\\_AND\\_RESISTIVE\\_SOLUTIONS\\_FOR\\_ELEVATORS\\_AND\\_ESCALATORS](#)

English