# SBCHE116K8J ✔ ACTIVE

CGS | CGS SBC

TE Internal #: 2-1623728-8

6.8K ohm, Wire Wound, Power Resistor, 5 %, 11 W, ±200 ppm/°C, Axial-Leaded, Copper Termination, 50 x 10 x 9 mm, Loose Piece - Box, CGS SBC

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **11 W**

Resistance Class: **1kΩ – 1MΩ**

Resistance Value: **6.8K Ω**

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | Power Resistor |
| Element Type | Wire Wound |

### Configuration Features

| | |
|---|---|
| Number of Resistors | 1 |

### Electrical Characteristics

| | |
|---|---|
| Power Rating | 11 W |
| Resistance Class | 1kΩ – 1MΩ |
| Resistance Value | 6.8K Ω |
| Passive Component Tolerance | 5 % |

### Body Features

| | |
|---|---|
| Lead Type | Axial-Leaded |

### Termination Features

| | |
|---|---|
| Termination Area Base Material | Copper |

| | |
|---|---|
| Number of Terminations | 2 |

### Dimensions

| | |
|---|---|
| Passive Component Dimensions | 50 x 10 x 9 mm |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 350 °C[-67 – 662 °F] |
| Temperature Coefficient | ±200 ppm/°C |

### Packaging Features

| | |
|---|---|
| Packaging Method | Loose Piece - Box |

## 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 | 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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 | Wave solder capable to 265°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 # 1-1623728-2
BCHE 11 W 22K 5%



TE Part # 1623728-3
BCHE 11 W 10R 5%

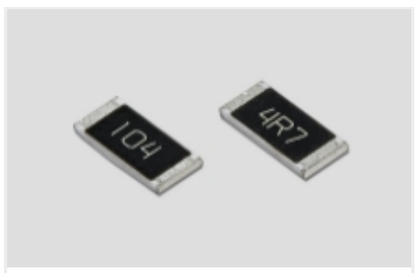


TE Part # CAT-C339-SB19B
Wirewound Resistor: Vertical Mount



TE Part # 2-1623728-2
BCHE 11 W 47R 5%

## Also in the Series | CGS SBC




Surface Mount Resistors(1)



Through-Hole Resistors(212)

## Customers Also Bought



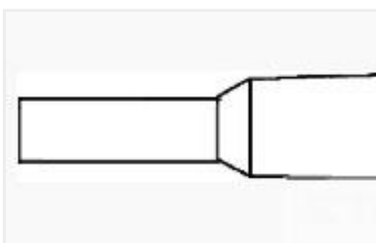
TE Part #5-103904-2
3 MTE HDR SRRA LATCH W/HLDWN



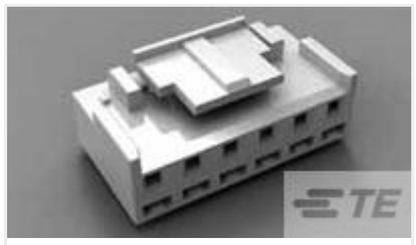
TE Part #4-178841-2
AMP U/P SGL ROW HDR ASSY V 6P



TE Part #324124
BUDG R 22-16COMM 22-18MIL 5/16



TE Part #966067-6
FER,WIRE,PL SLV,.75/18,L10,GREY,LP



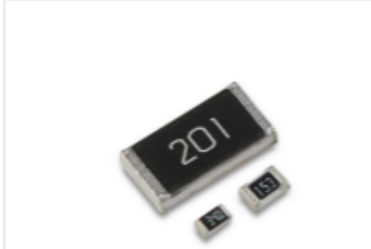
TE Part #1-1123722-2
3.96 EP PLUG HSG 2P(NATURAL)



TE Part #9-1393243-7
RT444012




TE Part #4-2176230-2
3522 2K2 5% 3W




TE Part #2176329-7
CRGP 1210 33R 1%




TE Part #2-2176337-7
CRGCQ 0402 1K5 1%



TE Part #5-6437630-0
AWTR1504 = POWER TOGGLE

## Documents

### Product Drawings

BCHE 11 W 6K8 5%

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1623728-8_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1623728-8_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1623728-8_BA.3d_stp.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

High Power Resistor - Type SBC (Square Ceramic) Series - Tyco Electronics Passives

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English