



Passive Components > Resistors > Through-Hole Resistors > Wirewound Resistor: Vertical Mount



Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **7 W**

Resistance Class: **1kΩ – 1MΩ**

Resistance Value: **8.2K Ω**

[All Wirewound Resistor: Vertical Mount \(166\)](#)

Features

Usage Conditions

Operating Temperature Range	-55 – 350 °C
Temperature Coefficient	±200 ppm/°C

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	7 W
Resistance Class	1kΩ – 1MΩ
Resistance Value	8.2K Ω
Passive Component Tolerance	10 %

Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Area Base Material	Copper
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Number of Terminations	2
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Dimensions

Passive Component Dimensions	25 x 9 x 10 mm
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Packaging Features

Packaging Method	Loose Piece - Box
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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

SBCHE78K2K

Through-Hole Power Resistor, Wire Wound, 7 W, 8.2K ohm, 10 %, ±200 ppm/°C, Axial-Leaded, Copper Termination, 25 x 9 x 10 mm, CGS SBC





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



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

Also in the Series | CGS SBC



Surface Mount Resistors(1)



Through-Hole Resistors(212)

Customers Also Bought



TE Part #1473005-1
SEMI HARD TRAY DDR SOCKET 200P



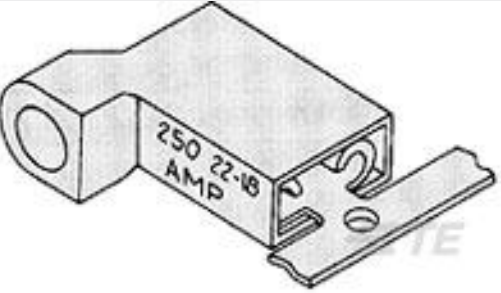
TE Part #640456-6
06P MTA100 HDR ASSY F/L SQ STR



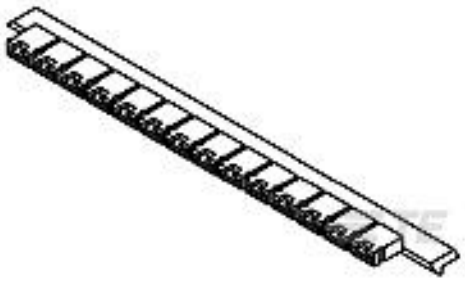
TE Part #1-1825910-4
FSM8JH=6MM TACT SWITCH, HIGH TEMP



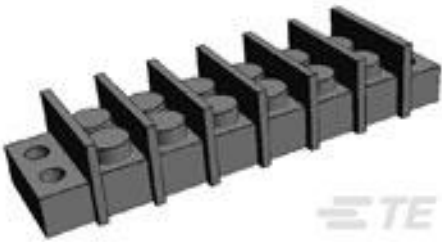
TE Part #3-794630-4
04P MICRO MNL ASSY VRT HDR LF



TE Part #2-520337-2
ULTRA-FAST 187 ASY REC 22-18 TPBR



TE Part #142270-1
CONNECTOR SHUNT 2 P



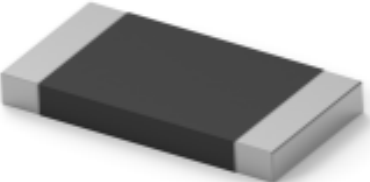
TE Part #1546306-6
6P .374" DR BARRIER STRIP



TE Part #6609116-3
6EHG1-2=F7704 S0



TE Part #2292863-1
AS16,CAP BACKSHELL KIT,ST,06P, SMOOTH



TE Part #7-2176422-8
TLRP 2512 3.0W R150 1% 50PPM 4K RL



Documents

Product Drawings

SBCHE7 8K2 10%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1623733-0_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1623733-0_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1623733-0_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

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

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

English