NHSC100R82J ✔ ACTIVE

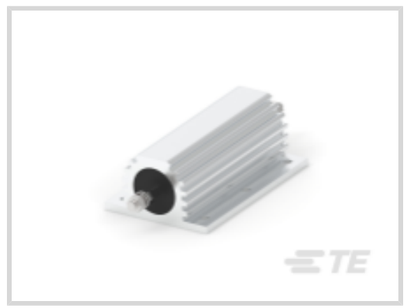
CGS | CGS HS

TE Internal #: 1-1630001-9

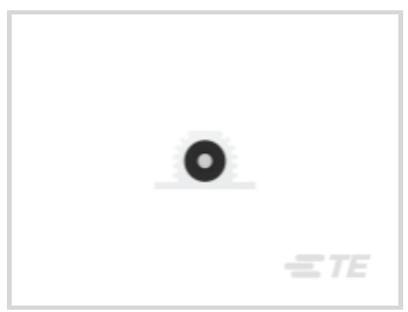
.82 ohm, Wire Wound, 5 %, Power Resistor, 100 W, 4 Terminations, ±50 ppm/°C, Solder Lug, Loose Piece - Box, 26 mm [1.024 in] Height, CGS HS

View on TE.com >

Passive Components > Resistors > Chassis Mount Resistors







Resistor Type: **Power Resistor**

Resistance Class: **Up to 1kΩ**

Resistance Value: **.82 Ω**

Power Rating: **100 W**

Element Type: **Wire Wound**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	1900 VDC
Resistance Class	Up to 1kΩ
Resistance Value	.82 Ω
Power Rating	100 W
Passive Component Tolerance	5 %

Termination Features

Number of Terminations	4
Chassis Mount Resistor Termination Type	Solder Lug

Mechanical Attachment

Panel Mount Feature Type	Flange with Mounting Holes

Dimensions

Product Height	26 mm[1.024 in]
Product Length	87.5 mm[3.445 in]
Product Width	47.5 mm[1.87 in]

Usage Conditions

Operating Temperature Range	-55 – 200 °C[-67 – 392 °F]
Temperature Coefficient	±50 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) Candidate List Declared Against: JUNE 2025 (250) 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 reviewed 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 # 2-1630001-0
NHSC100 11R5 1%

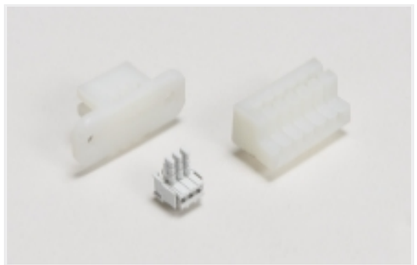
Also in the Series | CGS HS



Automotive Housings(1)



Automotive Signal & Power Connector Housings(1)



Card Edge Connector Housings(1)

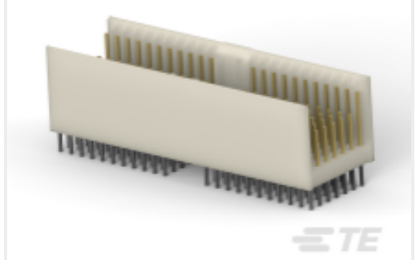


Chassis Mount Resistors(1069)

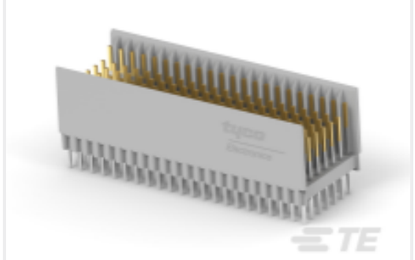


FFC Connectors(1)

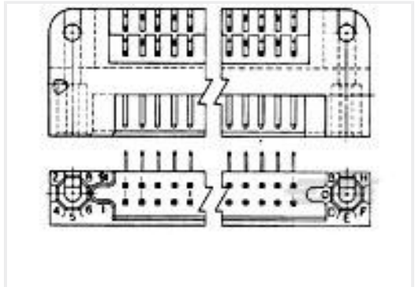
Customers Also Bought



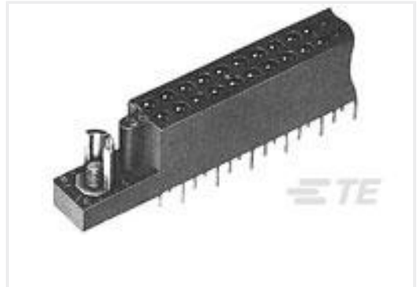
TE Part #3-100668-0
Z-PACK M.ASSY.154P.



TE Part #3-188835-0
Z-PACK/B M-HDR 154P.



TE Part #1-531720-1
2 ROW BOX PIN 110 POS R/A



TE Part #531813-2
BOX RECP 150 POS STAG



TE Part #1-535512-5

48 MODII HORZ DR CE EESS .100

TE Part #1058574-1

SCD 4551 5021 02



TE Part #2-1617036-9

HFW4A1231D00 = HFW4A Relay

TE Part #1617028-9

HFW1025S02 = SUPERCEDED 3SAV10

Documents

Product Drawings

NHSC100 R82 5%

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1630001-9_L.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1630001-9_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1630001-9_L.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Aluminium Housed Power Resistors - Type HS Series

English