



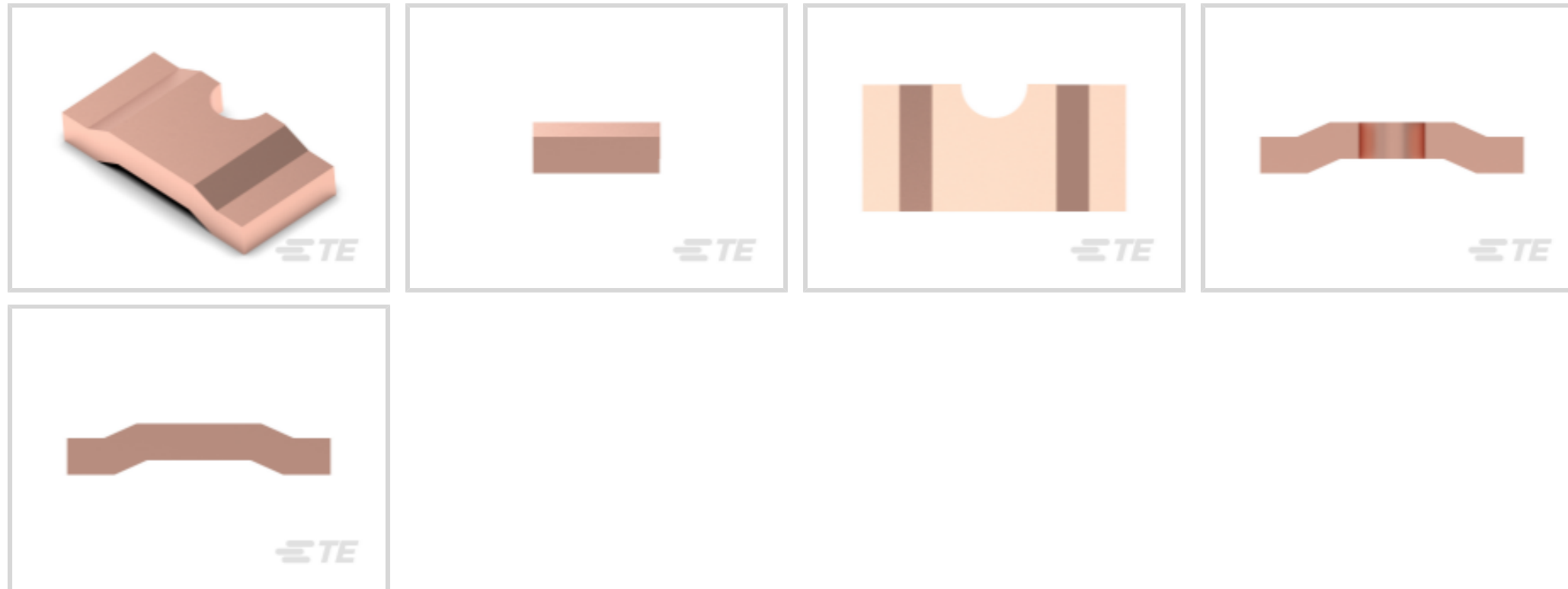
CGS | CGS TLR

TE Internal #: 2176076-2

CGS TLR, Surface Mount Resistors, Low Ohmic Resistor, 2 Termination, 1050, Taped & Reeled, 1 %, Metal Strip, Resistance Class Up to 1kΩ, .001 Ω, 4 W

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors > Metal Chip Resistor: Current Sense



Resistor Type: **Low Ohmic Resistor**

Number of Terminations: **2**

Package Size Code: **1050**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

[All Metal Chip Resistor: Current Sense \(49\)](#)

## Features

### Product Type Features

Product Type	Fixed Resistor
Resistor Type	Low Ohmic Resistor
Package Size Code	1050
Element Type	Metal Strip

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Passive Component Tolerance	1 %
Resistance Class	Up to 1kΩ
Resistance Value	.001 Ω
Power Rating	4 W

### Termination Features



Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

### Dimensions

Passive Component Dimensions	10.5 x 5 x .93 mm
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### Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±60 ppm/°C

### Packaging Features

Packaging Method	Taped & Reeled
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## 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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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	Reflow solder capable to 260°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 # CAT-C339-T547B  
Metal Chip Resistor: Current Sense



TE Part # 2176076-8  
TLRS1050 2.0W R005 1% 100PPM 3K RL



TE Part # 2176076-6  
TLRS1050 5.0W R0002 1% 75PPM 3K RL



TE Part # 2176076-7  
TLRS1050 5.0W R0003 1% 75PPM 3K RL

Also in the Series | CGS TLR



Surface Mount Resistors(51)

Customers Also Bought



TE Part #1571983-1  
GDH02S04=DIP SWITCH



TE Part #1734035-1  
MINI USB, TYPE B, R/A, SMT



TE Part #1624363-1  
NTC0805 5% 47K



TE Part #1-1879746-1  
RP 1J 7K5 0.1% 15PPM CUT LENGTH



TE Part #1461404-1  
STD OEG Miniature PCB OJ/OJE Pow Relays



TE Part #1462043-4  
Signal Relay: 2 form A, 2 NO contacts



TE Part #1461330-5  
STD OEG Miniature PCB OJT Power Relays



TE Part #1624158-6  
23SE 47KB 6.35X50FL B7 DPST (4A)



TE Part #CQ50633001  
LWB-103-6.0(10)



TE Part #1623819-5  
SBL4 R018 5%



## Documents

### Product Drawings

[TLRS1050 4.0W R001 1% 60PPM 3K RL](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2176076-2\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2176076-2\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2176076-2\\_BA.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

[Surface Mount Shunt Resistor - Type TLRS series](#)

English