



CGS | CGS TLR

TE Internal #: 2176117-7

CGS TLR, Surface Mount Resistors, Current Sensing Resistor, 2 Terminations, Size Code 1206, Taped & Reeled, 1%, Metal Strip

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Current Sensing Resistor**

Number of Terminations: **2**

Size Code: **1206**

Packaging Method: **Taped & Reeled**

Tolerance: **1%**

## Features

### Product Type Features

Product Type	Fixed Resistor
Resistor Type	Current Sensing Resistor
Size Code	1206
Element Type	Metal Strip

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Tolerance	1%
Resistance Range	Up to 1kΩ Ω
Resistance	.006 Ω
Power Rating	1 W

### Termination Features

Number of Terminations	2
Termination Type	Solder

### Mechanical Attachment

Mount Style	Surface Mount
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### Dimensions

Dimensions	3.2 x 1.6 x .6 mm
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### Usage Conditions

Temperature Coefficient	±50 ppm/°C
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### Packaging Features

Packaging Method	Taped & Reeled
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### 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: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



TE Model / Part # 2176117-4  
TLR 1206 1.0W R002 1% 50PPM 2K RL



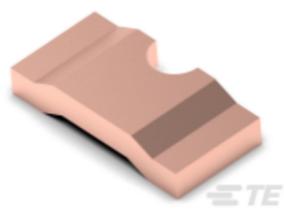
TE Model / Part # 1879378-7  
TLR 2512 2.0W R0005 1% 50PPM 2K RL



TE Model / Part # 1-1879378-2  
TLR 2512 2.0W R003 1% 150PPM 2K RL

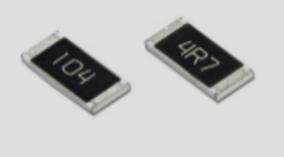


TE Model / Part # 2-1879378-4  
TLR 2512 3.0W R002 1% 50PPM 2K RL



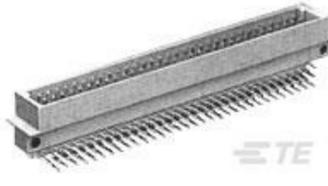
TE Model / Part # 2176077-1  
TLRS1575 6.0W R0005 1% 100PPM 2KRL

Also in the Series | CGS TLR

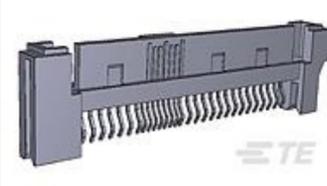


Surface Mount Resistors(50)

Customers Also Bought



TE Model / Part #216432-4  
64P.IEC-C MALE CONN



TE Model / Part #1735078-1  
SAS PLUG 15+7+7P ASSEMBLY



TE Model / Part #1-1734328-2  
Mini USB AB R/A,Rcpt,SMT,T&R, 0.6 mm



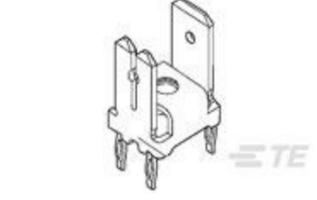
TE Model / Part #5499345-6  
A/L UNIV HDR 26P RA SHT LAT



TE Model / Part #2176117-8  
TLR 1206 1.0W R007 1% 50PPM 2K RL



TE Model / Part #2176117-9  
TLR 1206 1.0W R008 1% 50PPM 2K RL



TE Model / Part #216905-1  
POSITIVE LOCK POWER RECEPTACLE TPHPBRZ



TE Model / Part #9-1879335-8  
CPF 0603 221R 1% 50PPM 1K RL



## Documents

### Product Drawings

[TLR 1206 1.0W R006 1% 50PPM 2K RL](#)

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2176117-7\\_BA.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2176117-7\\_BA.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2176117-7\\_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

[SMD Low Ohmic Current Sense Resistors - Type TLR Series](#)

English