



Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 1.21K Ω

Resistor Type: Power Resistor

Element Type: Thin Film

Package Size Code: 2512

Power Rating: 6 W

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thin Film
Package Size Code	2512

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	100 V
Resistance Value	1.21K Ω
Power Rating	6 W
Resistance Class	1k Ω – 1M Ω
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.43 mm[.017 in]
Product Length	6.3 mm[.248 in]
Product Width	3.1 mm[.122 in]

Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±50 ppm/°C

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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

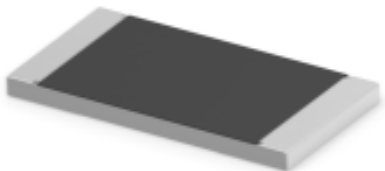
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

3504G3A1K21FTDF

1.21K ohm, Surface Mount Power Resistor, Thin Film, 2512, 6 W, 1 %, ±50 ppm/°C, Solder, 2 Terminations, .43 mm [.017 in] Height, CGS 3504





TE Part # 3-2176533-4

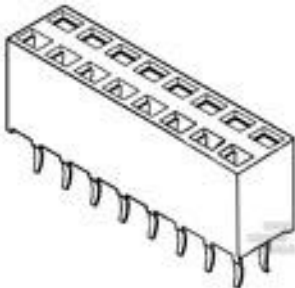
3504G 3A 1K21 1% 4K RL

Also in the Series | CGS 3504



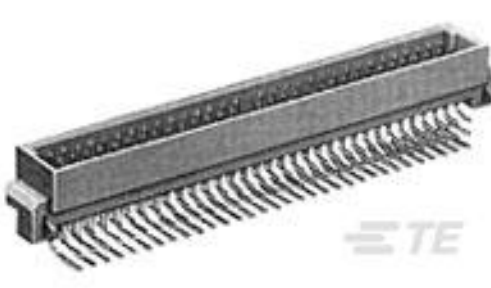
Surface Mount Resistors(534)

Customers Also Bought



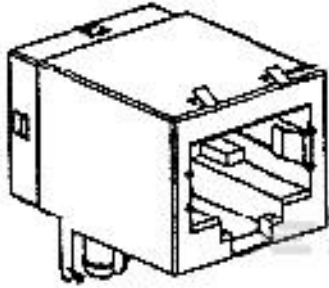
TE Part #1-215309-0

2X10P HV100 REC CON. TE, 8.5MM



TE Part #5650949-5

ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,120 P



TE Part #5558341-1

MJ,8POS,R/A,CAT 5e



TE Part #2305018-2

USB TYPE C, REC IPX8 ON BOARD DUAL SMT



TE Part #7-1879499-7

CRGH2010 5% 1K5 1W



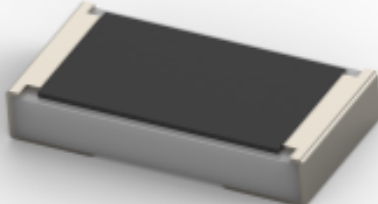
TE Part #5103308-1

A/L LOW PRO HDR 10P VERT BLACK



TE Part #390088-2

BLACK HSG WITH 15AU CONTACT



TE Part #CAT-C339-A76B

SMD Power Resistor: 3 Watt, 1% Tol



TE Part #1825095-1

TP11CGPC004



Documents

Product Drawings

3504G 3A 1K21 1% 1K RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-2176530-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176530-4_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_3-2176530-4_A.2d_dxf.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1773270-5

English