RLP73K3AR51FTDF ✔ ACTIVE

CGS | CGS RLP73

TE Internal #: 4-2176057-2

Current Sensing Resistor, Thick Film, 2512, 2 W, .51 ohm, 1 %, ±200 ppm/°C, Solder, 2 Termination, Height .74 mm [.029 in], CGS RLP73

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Passive Components > Resistors > Surface Mount Resistors > Thick Film Resistor: Current Sense



Resistor Type: **Current Sensing Resistor**

Element Type: **Thick Film**

Package Size Code: **2512**

Power Rating: **2 W**

Resistance Value: **.51 Ω**

All Thick Film Resistor: Current Sense (214)

Features

Product Type Features

Resistor Type	Current Sensing Resistor
Element Type	Thick Film
Package Size Code	2512

Configuration Features

Number of Resistors	1

Electrical Characteristics

Power Rating	2 W
Resistance Value	.51 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.74 mm[.029 in]
Product Length	6.35 mm[.25 in]
Product Width	3.15 mm[.124 in]

Usage Conditions

Temperature Coefficient	±200 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

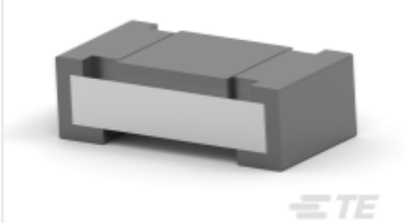
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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	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

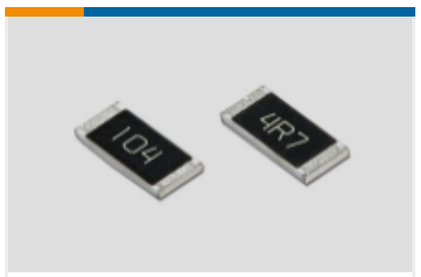


TE Part # CAT-C339-R529A
Thick Film Resistor: Current Sense



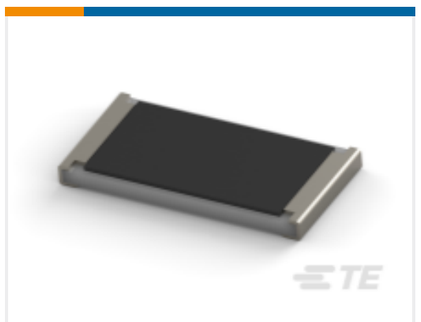
TE Part # 2176050-8
RLP73N 1E R10 5% 5K RL

Also in the Series | CGS RLP73



Surface Mount Resistors(401)

Customers Also Bought



TE Part #2-2176070-7
SMD Power Resistor: 2 Watt, 3521 Series



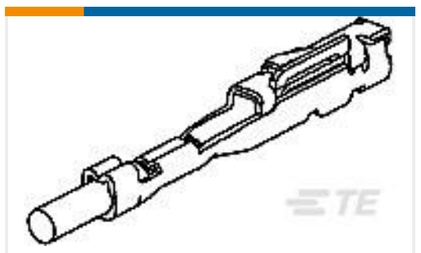
TE Part #1-178293-5
Header Assembly: Wire-to-Board, 15A, gold or tin plated



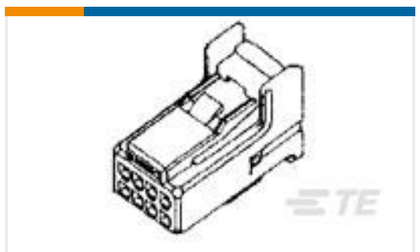
TE Part #42565-2
FF 250 TAB 18-14AWG TPBR PRE CRIMPED



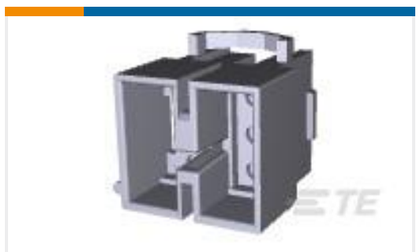
TE Part #1-1825910-8
FSM10JH=6MM TACT SWITCH, HIGH TEMP



TE Part #1318143-1
025 REC CONTACT PRETIN L/P CUT



TE Part #1376352-1
025 I/O PLUG HSG ASSY 8P



TE Part #1-480271-0
06P CMNL CAP HSG M/M NATL

Documents

Product Drawings

RLP73K 3A R51 1% 1K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2176057-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2176057-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2176057-2_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMD Low Ohmic Current Sense Resistors - Type RL73 Series

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

917696-1 SMW73R0JT 936348-1 1-794222-0 1-962915-1 2005330-1 3631B101LL 650075-000 141991-2
SBCHE154R7K SBCHE64R7K 2377783-2 175977-2 2310537-1 CPF0402B37K4E1 RH73H2A40MKTN
ROX05SJ18R TE50BR39J CRGCQ2010J3K3 1903112-2 1969656-1 3430B2F51RTDF 1393431-1
2-292161-3 2380312-2 3-1393225-0 MPT100C18RF U5254-000005-030PA 2834055-1 1743455-2