5176139-1 ✔ ACTIVE

TE Internal #: 5176139-1

Board-to-Board, 98 Position, 2.54 mm [.1 in] Centerline, Power & Signal, 98 Power Positions, 0 Signal Positions, Card Edge Power Connectors

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Connectors > PCB Connectors > Card Edge Connectors > Card Edge Power Connectors







Connector System: **Board-to-Board**

Number of Positions: **98**

Centerline (Pitch): **2.54 mm [.1 in]**

Contact Current Rating (Max): **3 A**

Circuit Application: **Power & Signal**

Features

Product Type Features

Connector Mates With	Printed Circuit Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

Configuration Features

Keying & Polarized Position Locations	0
Number of Sections	2
PCB Mount Orientation	Vertical
Number of Positions	98
Number of Power Positions	98
Number of Signal Positions	0
Number of Dual Positions	49

Electrical Characteristics

Operating Voltage	400 V

Body Features

Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Type	Socket
	50 µin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	3 A
Contact Mating Area Plating Material	Gold Flash

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention	Without
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Solder Tail
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Card Slot Depth	7.49 mm[.295 in]
Connector Height	15.49 mm[.61 in]
Row-to-Row Spacing	4.85 mm[.191 in]
Power Contact Centerline	2.54 mm[.1 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	72
Packaging Method	Box

Other

Position Locations Omitted	0

Product Compliance

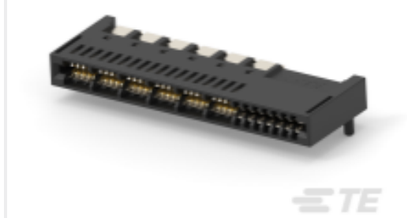
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

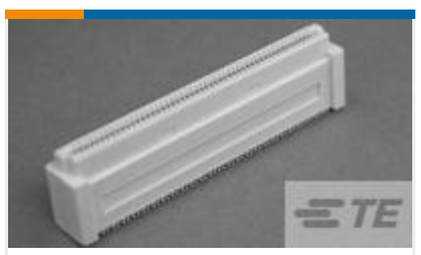
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2343428-1
HD+ CE, RA, CRPS

Customers Also Bought



TE Part #5-5179010-6
0.8FH,R13H.5,140,08/Sn,TU



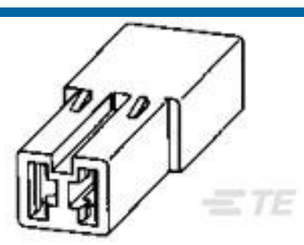
TE Part #1-2199230-6
M.2 0.5PITCH 4.2H KEY M 30U AU



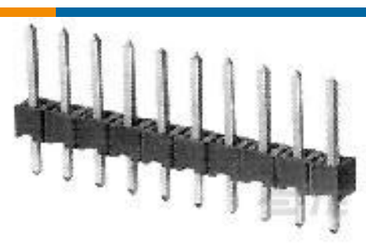
TE Part #1-2176231-6
3522 43R 1% 3W



TE Part #292304-2
STD USB TYPE B, R/A, T/H



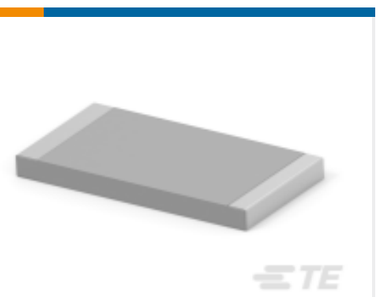
TE Part #180923
FF 250 REC HSG 2P NYLON NAT



TE Part #1-826629-6
16X1 AMPMODU II HDR ST



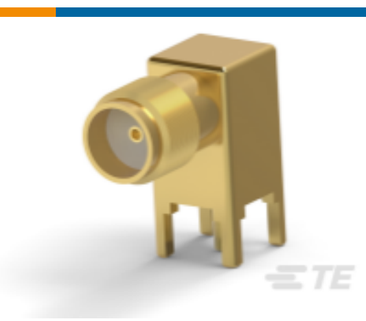
TE Part #1775862-2
mSATA/mini PCI-E 5.2H Type I G/F



TE Part #2-2176331-8
CRGP 2512 1K8 1%



TE Part #5-1879134-4
RN 0603 35K7 0.1% 10PPM 1K RL



TE Part #5-1814400-2
SMA R/A PCB Skt GZD

Documents

Product Drawings

CONN SEC II 49 POS 100C/L

English

CAD Files

Customer View Model

ENG_CVM_CVM_5176139-1_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5176139-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5176139-1_F.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

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TE Connectivity:

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