



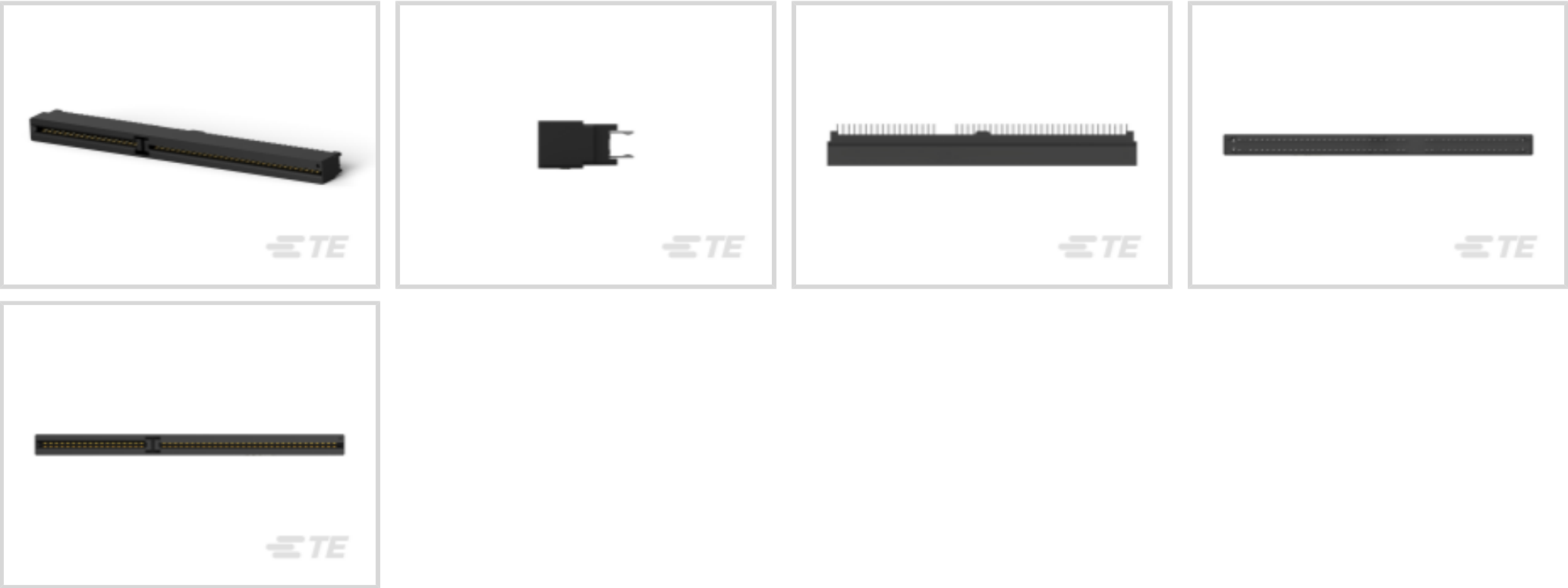
L

TE Part # 5645169-2

TE Internal #: 5645169-2

[View on TE.com >](#)

Connectors > Power Connectors > Card Edge Power & Two-Piece Edge Connectors > Card Edge Power Connectors



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

Number of Positions: **98**

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

Connector & Contact Terminates To: **Printed Circuit Board**

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

Features

Product Type Features

Housing Type	Receptacle
Product Type	Connector Assembly
Connector System	Board-to-Board
Contact Type	Socket
Connector & Contact Terminates To	Printed Circuit Board
Type of Connector	Special 18/31 Dual Combination

Configuration Features

Keying & Polarized Position Locations	0
PCB Retention Location	5, 6, 31, 32, 41, 42, 93, 94
PCB Mount Orientation	Vertical
Number of Positions	98
Number of Power Positions	98
Number of Dual Positions	49
Number of Single Positions	0
Number of Rows	2



Row-to-Row Spacing	4.85 mm[.241 in]
--------------------	------------------

Electrical Characteristics

Operating Voltage	400 V
-------------------	-------

Contact Features

Contact Termination Area Plating Finish	Matte
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	3 A
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 µm[30 µin]
Contact Retention	Without
Contact Termination Area Plating Material	Tin
Contact Termination Area Plating Thickness	100 µin

Termination Features

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

Mechanical Attachment

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

Housing Features

End Caps	Without
Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Polyester GF

Dimensions

Card Slot Depth	7.49 mm[.295 in]
Power Contact Centerline	2.54 mm[.1 in]



Height	15.49 mm[.61 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
------------------------	----------

Other

Position Locations Omitted	None
For Use With	Printed Circuit Board

Product Compliance

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

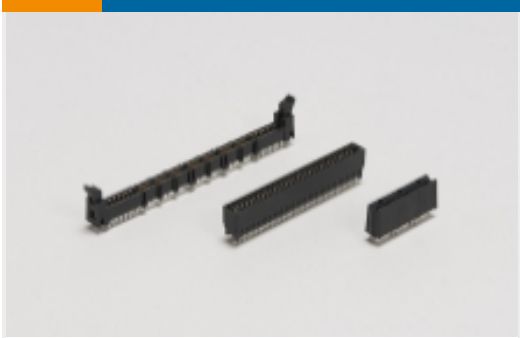
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2018 (181)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

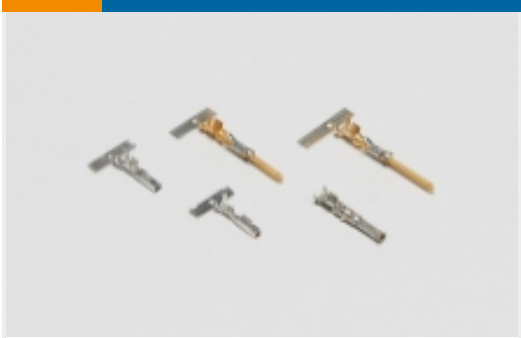
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



Also in the Series | L



Card Edge Power Connectors(59)



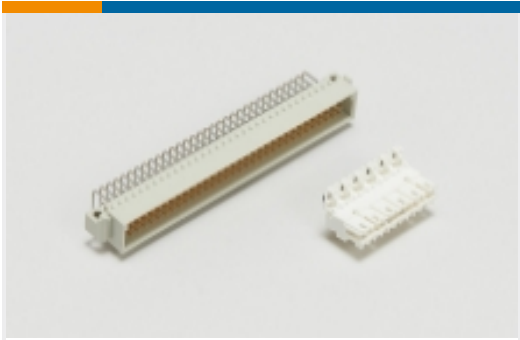
Power Contacts(2)



RF Connectors(7)



RJ45 Connectors(3)

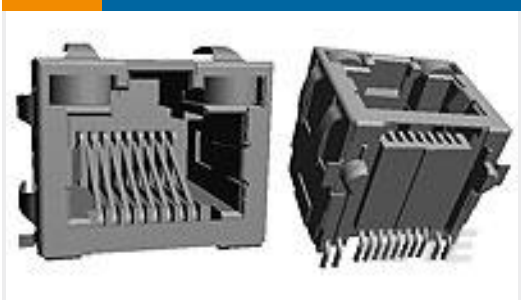


Standard Edge Connectors (5)

Customers Also Bought



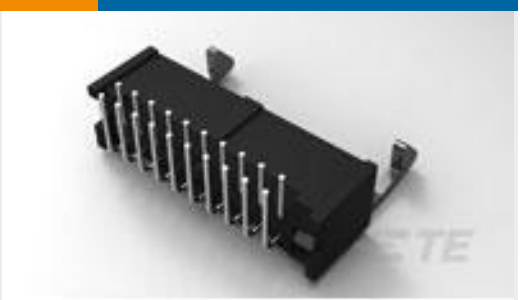
TE Part #5645169-3  
CONN SEC II 49 POS 100C /L



TE Part #2178415-1  
MJ,RJ45,SMT,SHLD



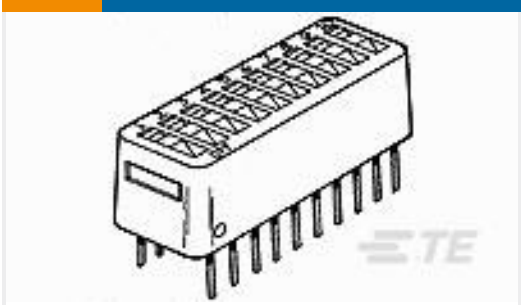
TE Part #5555003-1  
MJ,R/A,6P,PNL,RH LTCH, GRY



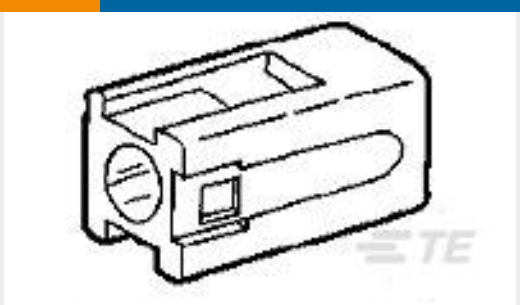
TE Part #1761607-9  
IDC LOW PRO HDR 26P RA LG LAT BLK



TE Part #282868-2  
TERMI-BLOK PCB MOUNT 1&2 2P. 5



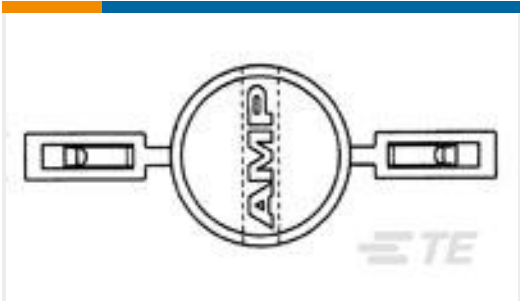
TE Part #2-435668-8  
DIP SW 8 POSN W/TAPE AU



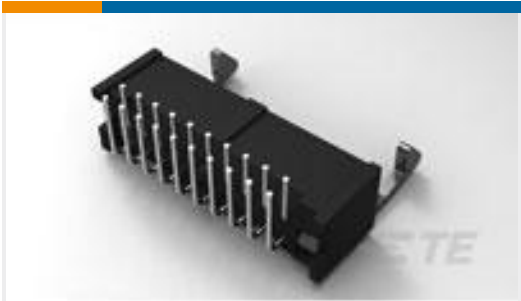
TE Part #54315-1  
MTG ADAPTER,POWER LOCK,SRS 1



TE Part #102976-3  
03 MODII HDR SRST B/A . 100CL



TE Part #499991-2  
POLARIZER AMP-LATCH 50/BAG



TE Part #3-1761607-7  
IDC LOW PRO HDR 64P RA LG LAT



Documents

Product Drawings

CONN SEC II 49 POS 100C/L

English

---

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5645169-2\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5645169-2\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5645169-2\_B.3d\_stp.zip

English

---

Product Specifications

Application Specification

English

---

Product Environmental Compliance

TE Material Declaration

English