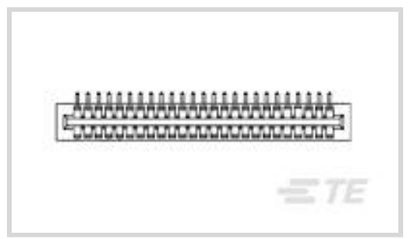
5530218-6 ✔ ACTIVE

TE Internal #: 5530218-6

Board-to-Board Card Edge Power Connector, 30 Position, 2.54 mm [.1 in] Centerline, Power & Signal, 60 Power Positions, 0 Signal Positions

View on TE.com >

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



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

Number of Positions: **30**

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

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

Circuit Application: **Power & Signal**

Features

Body Features

Primary Product Color	Black

Mechanical Attachment

Connector Mounting Type	Board Mount
PCB Mount Retention	Without
Mating Retention	Without
Mating Alignment	Without
PCB Mount Alignment	Without

Packaging Features

Packaging Quantity	120
Packaging Method	Tray

Termination Features

Termination Post & Tail Length	3.81 mm[.15 in]
Termination Method to PCB	Through Hole - Solder

Dimensions

Card Slot Depth	7.49 mm[.295 in]
Row-to-Row Spacing	3.81 mm[.15 in]
Connector Height	15.49 mm[.61 in]
Power Contact Centerline	2.54 mm[.1 in]

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	3 A
Contact Mating Area Plating Material	Gold

Housing Features

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

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	30
Number of Power Positions	60
Number of Signal Positions	0
Number of Dual Positions	30

Product Type Features

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

Electrical Characteristics

Operating Voltage	400 V

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

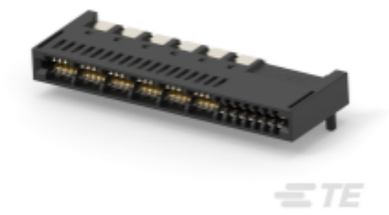
For compliance documentation, visit the product page on TE.com>

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

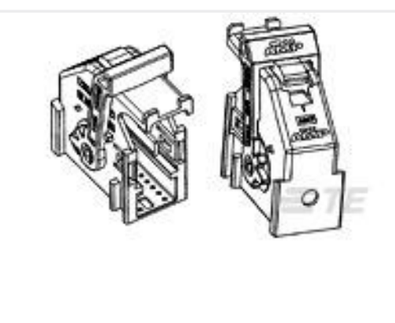
TE Part #485800-5
FFC,CARD EDGE CONTACT

TE Part #2-316132-2
DYNAMIC D-3200 HDR ASSY 5P V

TE Part #EF74056001
RBK-ILS-125-3A-0-45MM

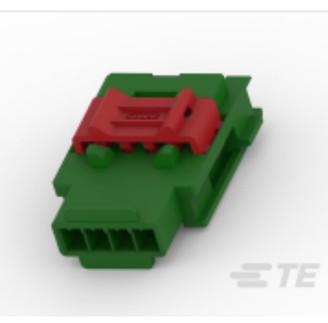
TE Part #1-1379816-4
6pos MQS .63 header 180deg THR

TE Part #2312212-1
12POS,NANOMQS,REC HSG,COD A

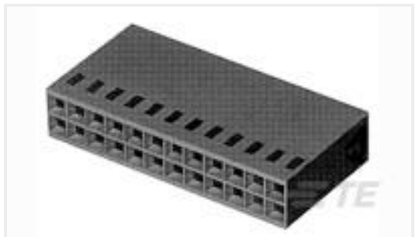


TE Part #284714-4
24 POS AIRBAG CONN SHELL WITH

TE Part #7-2151144-7
OCEAN_2.0_SPARE_PART_KIT-067F062F



TE Part #953729-3
4W MCP RCPT HSG SV ASSY



TE Part #144095-1
HOUSING MODU IV 2X3 P

TE Part #2141502-2
2POS,1.5MM SFC,REC HSG,ASSY, SEALED,BU

Documents

Product Drawings

CRIMP SNAP TWIN LEAF CONNECTOR

English

Product Specifications

Application Specification

English