TE Internal #: 4-6437270-1

TE Internal Description: A8D50DS29C3LF=Cardedge Connector

View on TE.com >



Connectors > PCB Connectors > Card Edge Connectors > Standard Edge Connectors



Connector System: Board-to-Board

Number of Positions: 50

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

Number of Dual Positions: 50

Number of Rows: 2

### **Features**

### **Product Type Features**

Connector System	Board-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of Positions	50

Number of Dual Positions	50
Number of Rows	2
Connector Contact Load Condition	Fully Loaded

PCB Mount Orientation Vertical

### **Electrical Characteristics**

Operating Voltage	400 VDC
Operating Voltage	400 VDC

## **Body Features**

Primary Product Color	Black
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#### **Contact Features**

PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Mating Area Plating Material	Gold (Au)
Contact Retention Within Housing	Without
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
PCB Contact Termination Area Plating Material Finish	Bright



Contact Type	Socket
Contact Mating Area Plating Material Thickness	.76 μm
Contact Current Rating (Max)	3 A
Termination Features	
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	5.59 mm[.22 in]
Mechanical Attachment	
Mating Retention	Without
Mating Alignment	Without
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic
Dimensions	
Card Slot Depth	7.62 mm[.3 in]
Connector Height	5.49 mm
Row-to-Row Spacing	5.08 mm[.2 in]
Operation/Application	
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Method	Package
Packaging Quantity	20

## **Product Compliance**

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

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
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: DEC 2010 (44)

SVHC > Threshold:

Not Yet Reviewed

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Product Compliance Disclaimer

Solder Process Capability

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.

# Customers Also Bought









Wave solder capable to 240°C

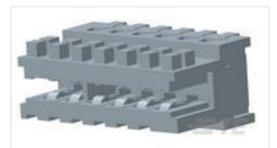












TE Part #3-284932-6 DUOPLUG MKI STD,6 POS, KEYED 4



TE Part #4-1534796-6 AMP DUOPLUG MARK II CONNECTOR 3-20POS

### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_4-6437270-1\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_4-6437270-1\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_4-6437270-1\_A.3d\_stp.zip

English

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

### **Product Specifications**

**Product Specification** 

English