



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



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

Number of Positions: 7

Centerline (Pitch): **2.5 mm [ .098 in ]**

Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

Number of Rows: 1

Features

Product Type Features

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

Configuration Features

Card Entry Style	Side
Compatible With Wire & Cable Type	Discrete Wire
Number of Positions	7
Number of Rows	1
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	63 VAC
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Body Features

Keying Between Cavity Locations	41892
Primary Product Color	Black



Contact Features

Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	4 – 10 µm
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	2 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Housing Entry Configuration	Both Ends Closed
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	PBT GF

Dimensions

Card Slot Depth	5 mm[.2 in]
Connector Height	7.35 mm[.29 in]
PCB Thickness (Recommended)	1.5 mm[.059 in]
Compatible Insulation Diameter Range	1.3 – 2.1 mm[.05 – .08 in]
Wire Size	.22 – .35 mm²

Operation/Application

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	GWEPT 750°C (Without Flame)
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Packaging Features

Packaging Quantity	168
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Packaging Method	Tray
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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: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability


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 # 2402731-7  
Same as 284865-7 w/ alternative resin



TE Part # 2306286-7  
7P DUOPLUG MARK II SIDE  
LOCKING, FUL

Customers Also Bought



TE Part #336235-1  
250 FASTON, REC., 24-17 AWG, BR

TE Part #1-282002-2  
AMP MONO-SHAPE TAB CONN 2P. G

TE Part #1-282002-8  
MONO-SHAPE MK I TAB CONN ASSY

TE Part #1-282003-6  
AMP MONO-SHAPE TAB CONN

TE Part #1-284396-1  
AMP MONO-SHAPE 3 POS TAB CONN

TE Part #3-282002-4  
MONO-SHAPE MK I CONN. ASSY TAB 2P

TE Part #4-284866-6  
DUOPLUG 2.5 6P, SIDE LOCK, SEL. LOADED

TE Part #284865-4  
Direct mount card edge conn.,

TE Part #284930-3  
DUOPLUG Standard, female conn.

TE Part #1-284865-7  
Direct mount card edge conn.,

Documents

Product Drawings

Direct mount card edge conn.,

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_284865-7\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_284865-7\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_284865-7\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



[RAST Connector System Catalog](#)

English

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[Product Specifications](#)

[Application Specification](#)

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[Agency Approvals](#)

[Agency Approval Document](#)

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