1740533-6 ✔ ACTIVE

RAST

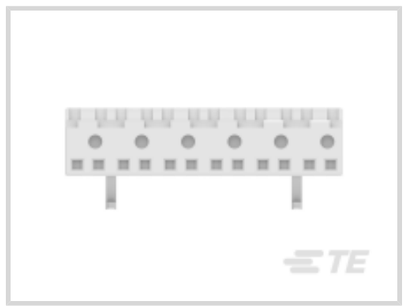
TE Internal #: 1740533-6

Wire-to-Board, 6 Position, 5 mm [.197 in] Centerline, Insulation Displacement (IDC), 1 Row, Natural, PA 6 GF, Standard Edge Connectors

View on TE.com >

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




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

Number of Positions: **6**

Centerline (Pitch): **5 mm [.197 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	6
Number of Rows	1
Connector Contact Load Condition	Selectively Loaded
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Keying Between Cavity Locations	2&3

Primary Product Color	Natural

Contact Features

Contact Retention Within Housing	With
Contact Mating Area Plating Material Thickness	3 – 6 µm
Contact Mating Area Plating Material	Tin (Sn)
Contact Base Material	Copper Nickel Silicon
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	6 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

PCB Mount Retention	Without
Contact Retention Type Within Housing	Locking Lance
Mating Retention	Without
Mating Alignment Type	Keyed
Mating Alignment	With
PCB Mount Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Entry Configuration	One End Open
Centerline (Pitch)	5 mm[.197 in]
Housing Material	PA 6 GF

Dimensions

Compatible Insulation Diameter Range	2.2 mm[.087 in]
PCB Thickness (Recommended)	1.5 mm[.059 in]
Connector Height	7.3 mm[.287 in]
Wire Size	22 – 18 AWG

Usage Conditions

Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	1232
Packaging Method	Tray

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 1-1740533-6
AMP DUOPLUG POW CONNECTOR



TE Part # 1740533-9
AMP DUOPLUG POW CONN. 9POS W.PCB LOCKING



TE Part # 1740533-5
AMP DUOPLUG POW CONN. 5POS W.PCB LOCKING



TE Part # 1-1740533-4
AMP DUOPLUG POW CONN. 4POS W.PCB LOCKING

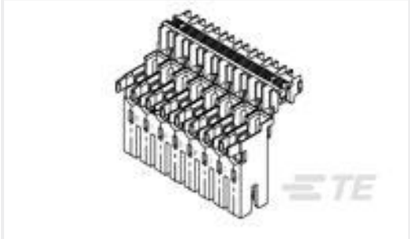
TE Part # 3-1740533-3
AMP DUOPLUG POW CONN. 3POS W.PCB LOCKING

TE Part # 1740533-3
AMP DUOPLUG POW CONN. 3POS W.PCB LOCKING

TE Part # 1740533-2
AMP DUOPLUG POW CONN .2POS W.PCB LOCKING

TE Part # 3-1740533-6
AMP DUOPLUG POWER CONNECTOR

Customers Also Bought



TE Part #284208-1
AMP MONO-SHAPE PCB 8 WAYS ASS'



TE Part #1740533-5
AMP DUOPLUG POW CONN. 5POS W.PCB LOCKING



TE Part #1-2232890-3
3P MONOPLUG 2.5 SELECTIVELY LOADED

Documents

Product Drawings

AMP DUOPLUG POW CONN. 6POS W.PCB LOCKING

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1740533-6_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1740533-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1740533-6_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

Product Specifications

Application Specification

English

Application Specification

English

Agency Approvals

VDE Certificate

English