

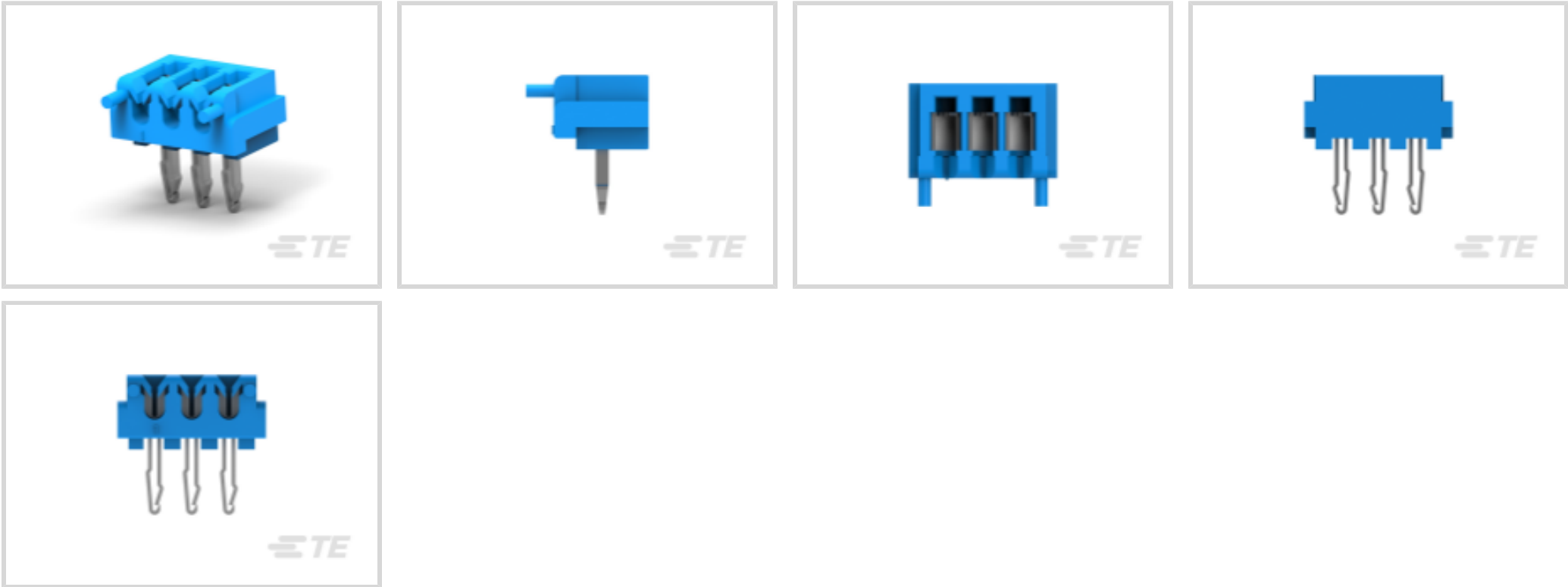


AMP-IN

TE Internal #: 174453-3  
PCB Mount One-Piece IDC Connector, Horizontal, Wire-to-Board, 3  
Position, .078 in [2 mm] Centerline, Discrete Wire, Through Hole -  
Solder, Light Blue

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Connectors > PCB Connectors > Board-In Connectors



PCB Connector Assembly Type: **PCB Mount One-Piece IDC Connector**  
PCB Mount Orientation: **Horizontal**  
Connector System: **Wire-to-Board**  
Number of Positions: **3**  
Centerline (Pitch): **2 mm [ .078 in ]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount One-Piece IDC Connector
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable

Configuration Features

PCB Mount Orientation	Horizontal
Number of Positions	3
Compatible With Wire & Cable Type	Discrete Wire
Number of Rows	1

Electrical Characteristics

Operating Voltage	125 VAC
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Body Features

Primary Product Color	Light Blue
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Contact Features

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Contact Layout	Inline
Contact Shape & Form	Tuning Fork
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	4 A

Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Kinked Legs
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

Centerline (Pitch)	2 mm[.078 in]
Housing Material	PBT GF

Dimensions

Connector Length	8 mm[.315 in]
Connector Height	5.1 mm[.201 in]
PCB Thickness (Recommended)	.8 mm[.031 – .063 in]
Wire Size	.08 – .15 mm <sup>2</sup>

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	360
Packaging Method	Box, 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: JAN 2024 (240) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 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.

Compatible Parts



Customers Also Bought



TE Part #2-1761603-1  
IDC LOW PRO HDR 6P VERT BLUE



TE Part #147721-3  
04 MODII HORZ SR SFMNT 30AU

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_174453-3\_F1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_174453-3\_F1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_174453-3\_F1.3d\_stp.zip

English

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

Product Specifications

Application Specification

English