

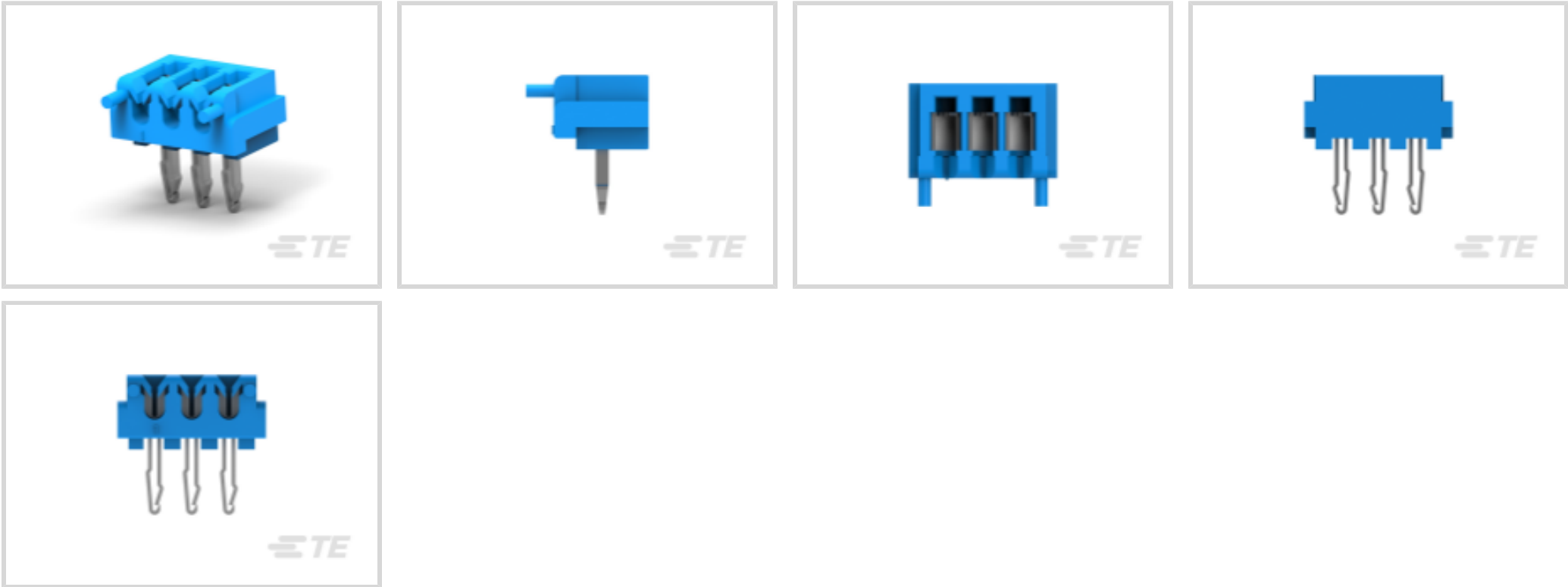


AMP-IN

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

[View on TE.com >](#)

Connectors > PCB Connectors > Board-In Connectors



PCB Connector 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 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 VDC |
|-------------------|---------|

Body Features

|                       |            |
|-----------------------|------------|
| Primary Product Color | Light Blue |
|-----------------------|------------|

Contact Features

|  |  |
|--|--|
|  |  |
|--|--|



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

Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.5 mm[.138 in]       |
| Termination Method to PCB      | 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

|                             |                       |
|-----------------------------|-----------------------|
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |
| Connector Height            | 5.1 mm[.201 in]       |
| Wire Size                   | 28 – 26 AWG           |
| Connector Length            | 8 mm[.315 in]         |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                          |                      |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application      | Signal               |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

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 2025 (247)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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 #2-173977-3  
[CT CONN MT REC ASSY 3P BLUE](#)



TE Part #1571983-3  
[GDH02STR04=DIP SWITCH](#)



TE Part #2-1761603-1  
[IDC LOW PRO HDR 6P VERT BLUE](#)



TE Part #CONMCX001  
[MCX Jack 50 Ohm PCB Through Hole](#)



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