



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



Connector System: **Wire-to-Board**  
Number of Positions: **3**  
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               |
| Number of Insulation Displacement Slots | 3                  |
| Compatible With Wire & Cable Type       | Discrete Wire      |
| Number of Positions                     | 3                  |
| Number of Rows                          | 1                  |
| Connector Contact Load Condition        | Selectively Loaded |
| PCB Mount Orientation                   | Right Angle        |

Electrical Characteristics

|                   |                 |
|-------------------|-----------------|
| Operating Voltage | 50 VAC, 250 VAC |
|-------------------|-----------------|

Body Features



|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                |            |
|------------------------------------------------|------------|
| Contact Retention Within Housing               | With       |
| Contact Type                                   | Socket     |
| Contact Mating Area Plating Material Thickness | 3 – 6 µm   |
| Contact Mating Area Plating Material           | Tin        |
| PCB Contact Termination Area Plating Material  | Tin        |
| Contact Base Material                          | Copper Tin |
| Contact Current Rating (Max)                   | 2 A        |

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Mechanical Attachment

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

Housing Features

|                             |                 |
|-----------------------------|-----------------|
| Housing Entry Configuration | One End Open    |
| Centerline (Pitch)          | 2.5 mm[.098 in] |
| Housing Material            | PA 6 GF         |

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Connector Height                     | 7.3 mm[.287 in]              |
| PCB Thickness (Recommended)          | 1.5 mm[.059 in]              |
| Compatible Insulation Diameter Range | 1.2 – 1.4 mm[.047 – .055 in] |
| Wire Size                            | .22 – .35 mm²                |

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Packaging Features

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



|                    |       |
|--------------------|-------|
| Packaging Quantity | 15400 |
| Packaging Method   | Box   |

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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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 # 1-1740501-3  
AMP DUOPLUG2.5 MK II HOUSING  
W. PCB LOCK



TE Part # 3-1534798-3  
AMP DUOPLUG MK2 CONNECTOR  
3P SELECTIVE



TE Part # 1-1740918-3  
AMP DUOPLUG2.5 MK II HOUSING  
W. PCB LOCK



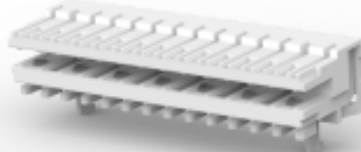
TE Part # 1-1534799-9  
DUOPLUG MK II SELECTIVE LOADED







TE Part # 3-1534799-1  
AMP DUOPLUG MK2 CONNECTOR  
11P SELECTIVE



TE Part # 3-1534799-3  
AMP DUOPLUG MARK II CONN.  
SELEC.LOADED



TE Part # 4-1534799-3  
AMP DUOPLUG MARK II CONN.  
SELEC.LOADED



TE Part # 6-1740918-3  
AMP DUOPLUG2.5 MKII 3P CON. W.  
PCB LOCK

Customers Also Bought



TE Part #1534415-7  
DUOPL POW FEM CON7P



TE Part #1376477-4  
2.5MM PITCH SIGNAL MATE CONN



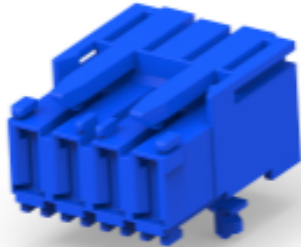
TE Part #3-1534796-7  
AMP DUOPLUG MK2 CONNECTOR 7P



TE Part #3-1534796-4  
AMP DUOPLUG MK2 CONNECTOR  
4P S



TE Part #2-964338-2  
MAG MATE CONTACT MK II



TE Part #2178661-4  
MULTIFIT MK2 ASSY4P,AR



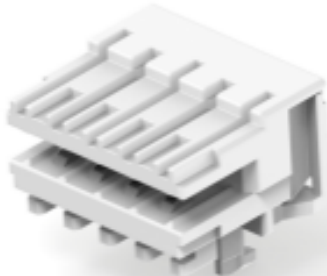
TE Part #3-1534798-7  
AMP DUOPLUG MK2 CONNECTOR  
7P SELECTIVE



TE Part #3-1534799-1  
AMP DUOPLUG MK2 CONNECTOR  
11P SELECTIVE



TE Part #5-1534798-6  
AMP DUOPLUG MK II CON. 3-20 POS.  
SELECTIV



TE Part #9-1534796-4  
AMP DUOPLUG MKII CONNECTOR  
4P S

Documents

Product Drawings

AMP DUOPLUG2.5 MK II HOUSING W. PCB LOCK

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-1740918-3\_D\_c-2-1740918-3-d.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1740918-3\\_D\\_c-2-1740918-3-d.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1740918-3\\_D\\_c-2-1740918-3-d.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1654742\\_HOUSEHOLD\\_APPLIANCES\\_RAST2.5](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

Agency Approvals

[VDE Certificate](#)

English

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