



RAST

TE Internal #: 3-1534797-3

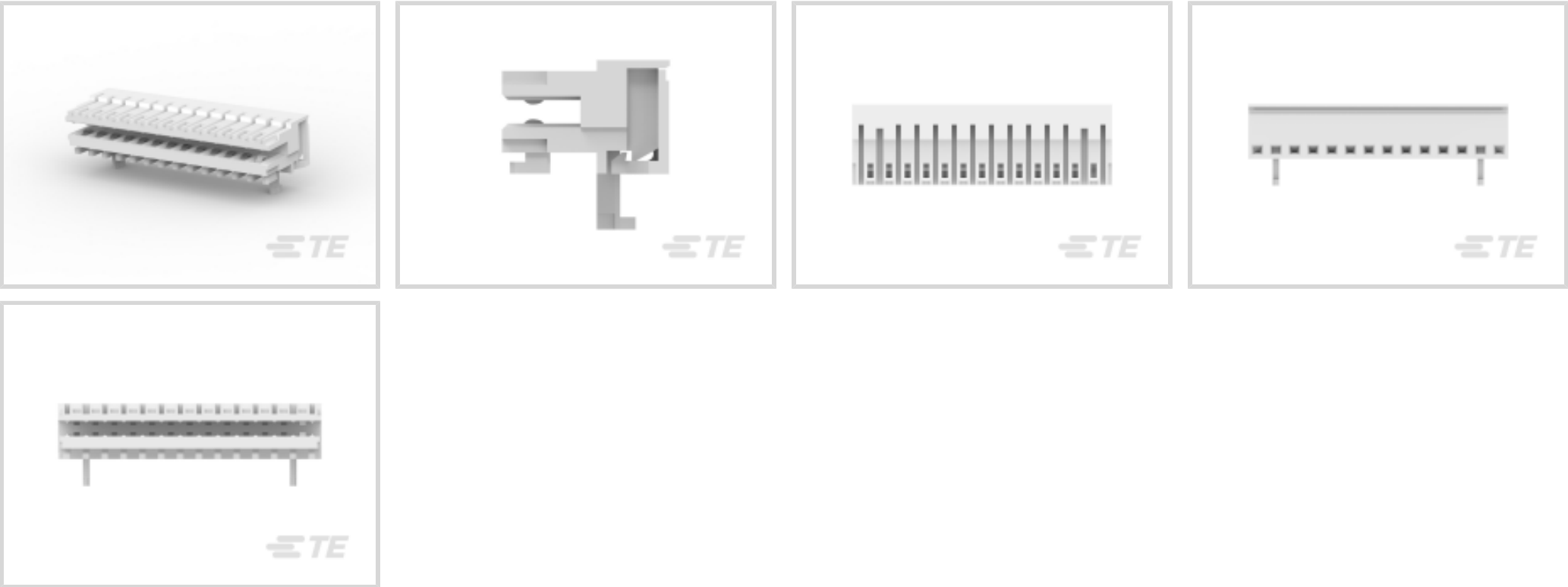
Wire-to-Board, 13 Position, 2.5 mm [.098 in] Centerline, Insulation

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: **13**

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               | 13            |
| Number of Rows                    | 1             |
| Connector Contact Load Condition  | Fully 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 Alloy |
| 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              |
| PCB Mount Retention                   | Without                    |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Housing Features

|                             |                 |
|-----------------------------|-----------------|
| Housing Entry Configuration | Both Ends 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 – 1.6 mm[.047 – .063 in] |
| Wire Size                            | .22 – .35 mm <sup>2</sup>    |

Usage Conditions

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

Operation/Application

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

Industry Standards

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



|                                           |                             |
|-------------------------------------------|-----------------------------|
| Compatible With Agency/Standards Products | UL                          |
| UL Flammability Rating                    | UL 94V-2                    |
| Glow Wire Rating                          | GWEPT 750°C (Without Flame) |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1078 |
| Packaging Method   | Tray |

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

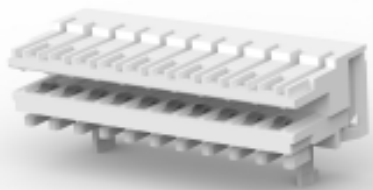
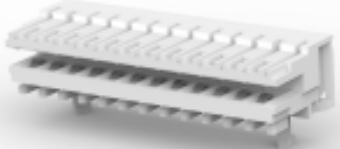
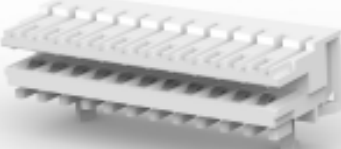
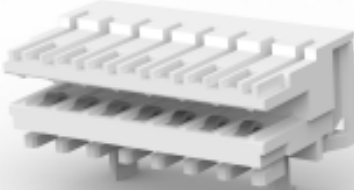
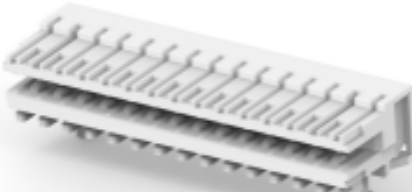
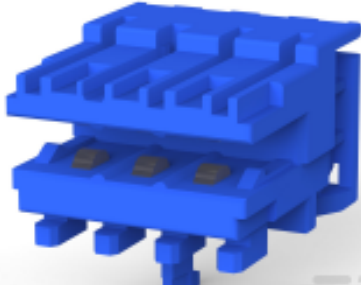
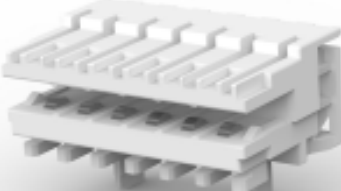
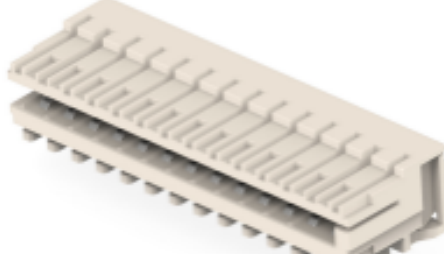
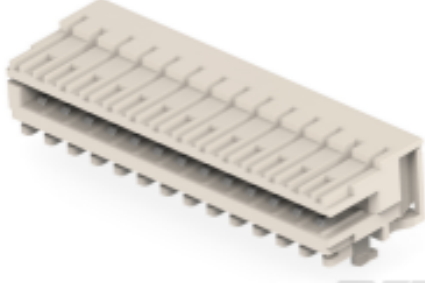
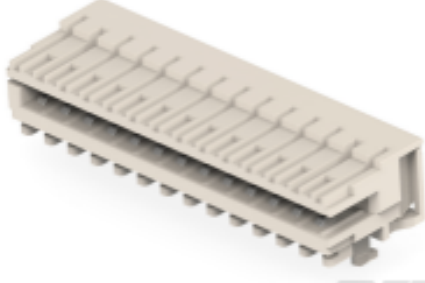
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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



|                                                                                                                                                    |                                                                                                                                                               |                                                                                                                                                                 |                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 3-1534796-0<br/>AMP DUOPLUG MK2 CONNECTOR 10P</p>   |  <p>TE Part # 3-1534796-5<br/>AMP DUOPLUG MK2 CONNECTOR 5P</p>               |  <p>TE Part # 3-1534796-4<br/>AMP DUOPLUG MK2 CONNECTOR 4P S</p>             |  <p>TE Part # 3-1534796-3<br/>AMP DUOPLUG MK2 CONNECTOR 3P</p>          |
|  <p>TE Part # 3-1534797-2<br/>AMP DUOPLUG MK2 CONNECTOR 12P</p>   |  <p>TE Part # 4-1534797-2<br/>DUOPLUG MARK II CONNECTOR</p>                  |  <p>TE Part # 3-1534797-1<br/>AMP DUOPLUG MK2 CONNECTOR 11P</p>              |  <p>TE Part # 3-1534796-7<br/>AMP DUOPLUG MK2 CONNECTOR 7P</p>          |
|  <p>TE Part # 3-1534797-4<br/>AMP DUOPLUG MK2 CONNECTOR 14P</p> |  <p>TE Part # 9-1740154-3<br/>DUOPLUG MKII FEMALE HSG WITH PCB LOCKING</p> |  <p>TE Part # 9-1740154-6<br/>DUOPLUG MKII FEMALE HSG WITH PCB LOCKING</p> |  <p>TE Part # 1-2304526-3<br/>13P DUOPLUG MK II GW-V0</p>             |
|  <p>TE Part # 2-2304526-3<br/>13P DUOPLUG MK II GW-V0</p>       |  <p>TE Part # 2-2406004-3<br/>13P DUOPLUG MK II GW-V0</p>                  |  <p>TE Part # 2304526-3<br/>13P DUOPLUG MK II GW-V0</p>                    |  <p>TE Part # 4-1534797-3<br/>AMP DUOPLUG MK2 CONNECTOR 13P GW-V2</p> |
|  <p>TE Part # 1-2406004-3<br/>AMP DUOPLUG MK2 GWT V0 13P</p>    |                                                                                                                                                               |                                                                                                                                                                 |                                                                                                                                                            |

Customers Also Bought



TE Part #3-1534796-0  
AMP DUOPLUG MK2 CONNECTOR  
10P

TE Part #1394918-6  
DUOPLG5.0 BU-STE 6P

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

TE Part #4-1534797-2  
DUOPLUG MARK II CONNECTOR

TE Part #1-1740533-7  
AMP DUOPLUG POW CONNECTOR

TE Part #1534415-8  
DUOPL POW FEM CON8P

TE Part #3-1534797-4  
AMP DUOPLUG MK2 CONNECTOR  
14P

TE Part #5-1534798-9  
AMP Duoplug 2,5 MK II selektiv

TE Part #3-966480-5  
DUOPLUG2,5BUST11X5P

Documents

Product Drawings

AMP DUOPLUG MK2 CONNECTOR 13P

English

AMP DUOPLUG MK2 CONNECTOR 13P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-1534797-3\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1534797-3\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1534797-3\_A.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

Agency Approvals

VDE Certificate

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VDE Certificate

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