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Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Rectangular Power Connector Type  | Header                |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Wire-to-Board         |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                           |          |
|---------------------------|----------|
| Number of Positions       | 2        |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 2        |
| Number of Rows            | 1        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

|                        |         |
|------------------------|---------|
| Multiple Contact Types | Without |
|------------------------|---------|



|                                                         |                                         |
|---------------------------------------------------------|-----------------------------------------|
| PCB Contact Termination Area Plating Material Thickness | 2.54 $\mu$ m[100 $\mu$ in]              |
| Contact Layout                                          | Inline                                  |
| Contact Underplating Material Thickness                 | 1.27 $\mu$ m[50 $\mu$ in]               |
| Contact Mating Area Plating Material                    | Tin                                     |
| Contact Current Rating (Max)                            | 12 A                                    |
| Contact Retention Within Housing                        | Without                                 |
| Contact Type                                            | Pin                                     |
| PCB Contact Termination Area Plating Material           | Pre-Tin                                 |
| Contact Mating Area Plating Material Thickness          | 3.81 - 5.08 $\mu$ m[150 - 200 $\mu$ in] |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 3.05 mm[.12 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                         |               |
|-------------------------|---------------|
| Strain Relief           | Without       |
| Mating Alignment Type   | Polarization  |
| Mating Retention        | With          |
| Mating Alignment        | With          |
| PCB Mount Alignment     | Without       |
| Panel Mount Feature     | Without       |
| PCB Mount Retention     | Without       |
| Mating Retention Type   | Positive Lock |
| Connector Mounting Type | Board Mount   |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 6.35 mm[.25 in] |
| Housing Color      | Natural         |
| Housing Material   | Nylon           |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
|-----------------------------|------------------|

Usage Conditions

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Operating Temperature Range | -40 - 105 $^{\circ}$ C[-40 - 221 $^{\circ}$ F] |
|-----------------------------|------------------------------------------------|

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|



Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| UL Rating                                   | Recognized                    |
| Compatible With Agency/Standards Products   | UL, VDE                       |
| Compatible With Approved Standards Products | UL E28476                     |
| UL Flammability Rating                      | UL 94V-2                      |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 100 |
| Packaging Method   | Bag |

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)<br>Candidate List Declared Against: JAN 2024 (240)<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                     | Wave solder capable to 265°C                                                                                                  |

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 # 640713-1<br/>02P UMNL STR/REL &amp; INSERT</p>           |  <p>TE Part # 1-350589-0<br/>STR/REL CLAMP NATL</p>                  |  <p>TE Part # 350811-1<br/>STR/REL CLAMP</p>               |  <p>TE Part # 640713-2<br/>02P UMNL STR/RELIEVE</p>                    |
|  <p>TE Part # 1586953-1<br/>02P UMNL PIN HDR ASSY NATL, GW</p>        |  <p>TE Part # 1-480698-0<br/>02P UMNL PLUG HSG NATL</p>             |  <p>TE Part # 794269-1<br/>02P UMNL INTERFACE SEAL</p>    |  <p>TE Part # 794815-1<br/>02P UMNL CAP HSG, HI TEMP</p>              |
|  <p>TE Part # 1703062-1<br/>CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK</p> |  <p>TE Part # 794991-1<br/>02P UMNL BLACK INTERFACE SEAL</p>       |  <p>TE Part # 1586856-1<br/>02P UMNL CAP HSG, GW</p>     |  <p>TE Part # 350848-2<br/>02P UMNL PLUG TEST ASSY 94VO</p>          |
|  <p>TE Part # 1586968-1<br/>05P UMNL PIN HDR ASSY V2, GW</p>         |  <p>TE Part # 1-640719-1<br/>02P UMNL STR/REL NATL</p>             |  <p>TE Part # 1586866-1<br/>02P UMNL HDR ASSY V2, GW</p> |  <p>TE Part # 2029000-1<br/>02P UMNL HDR SHRT TAIL, NDH</p>          |
|  <p>TE Part # 794270-1<br/>02P UMNL WIRE SEAL</p>                    |  <p>TE Part # 1-640719-0<br/>02P UMNL STR/REL &amp; INSRT NATL</p> |  <p>TE Part # 643250-1<br/>02P UMNL ASSY MOD HSG V0</p>  |  <p>TE Part # 1703062-2<br/>CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK</p> |

Also in the Series | Universal MATE-N-LOK





Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



Connector Hardware(12)



Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



Rectangular Connector Housings(1)



Rectangular Power Connectors(671)

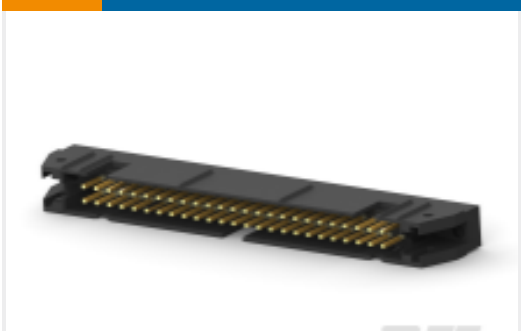


Standard Circular Connectors(1)

Customers Also Bought



TE Part # 4-641215-2  
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



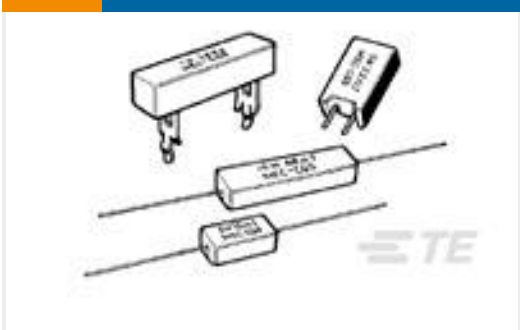
TE Part # 5102155-6  
AMP-LATCH UNIVERSAL HEADERS



TE Part # 1-207216-7  
CPC RECEPT ASSEMBLY SIZE 17-28



TE Part # 5745074-4  
HD-20 PLUG 37P VERT FFSCRLK



TE Part # 2-1623789-6  
SQM7 390R 5% (WIRE)



TE Part # 3-794629-6  
06P MICRO MNL ASSY,R/A,SMT,LF



TE Part # 350851-2  
UMNL SOK 24-18 AUNIBR



TE Part # 3-1879214-3  
CPF 0402 698R 0.1% 25PPM 1K RL

Documents



Product Drawings

02P UMNL PIN HDR ASSY V2 NATL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_350582-1\_Z.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_350582-1\_Z.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_350582-1\_Z.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_350582-1\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_350582-1\_T.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_350582-1\_T.2d\_dxf.zip

English

3D PDF

English

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Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English