

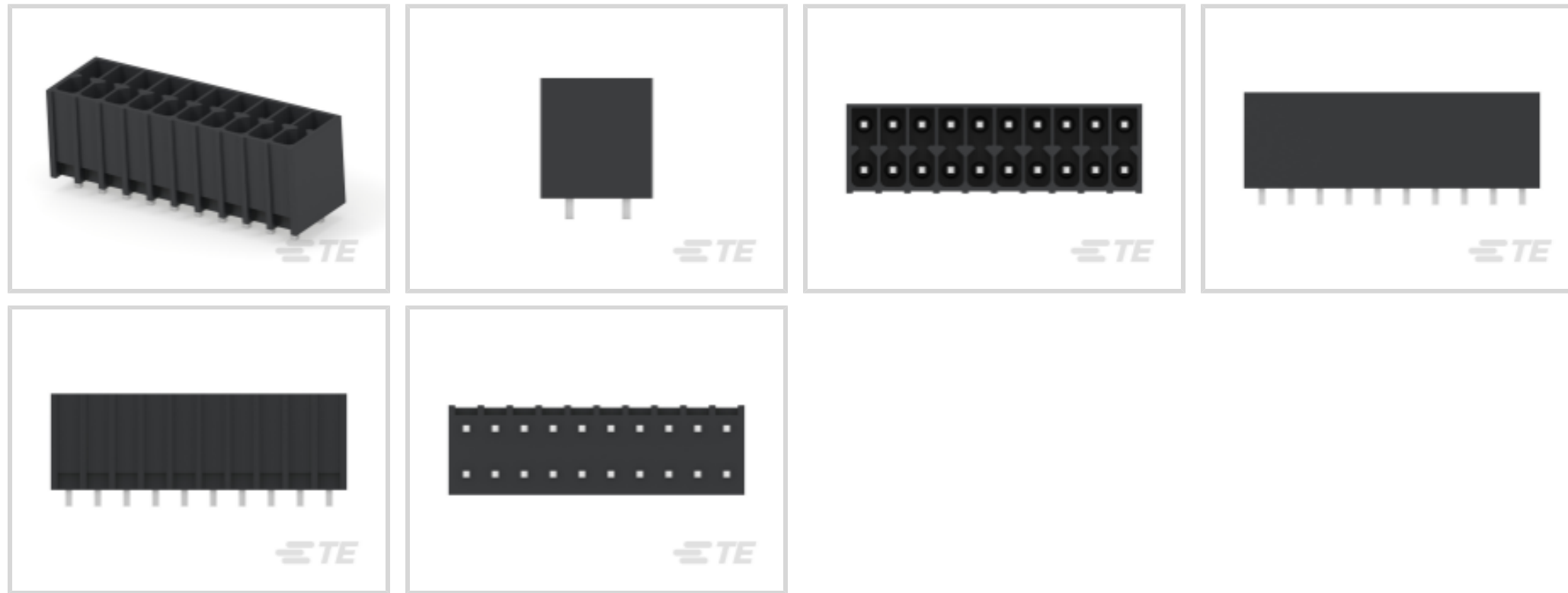


TE Internal #: 1-2842489-0

20 Position PCB Terminal Block, Header, Wire-to-Board, 3.5 mm [.137 in] Centerline, 2 Row, 300 VAC, Printed Circuit Board, Power & Signal, Board Mount

[View on TE.com >](#)

Connectors > Terminal Blocks & Strips > PCB Terminal Blocks > Push-In PCB Terminal Blocks: Time Saving Connectors



Number of Positions: 20

Terminal Block Connector Type: **Header**

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

Centerline (Pitch): 3.5 mm [.137 in]

Number of Rows: 2

[All Push-In PCB Terminal Blocks: Time Saving Connectors \(333\)](#)

## Features

### Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Method to PCB      | Through Hole - Solder |
| Termination Post & Tail Length | 2 mm [.079 in]        |

### Body Features

|                       |          |
|-----------------------|----------|
| Primary Product Color | Black    |
| Product Orientation   | Vertical |

### Packaging Features

|                  |     |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

### Contact Features

|                                      |              |
|--------------------------------------|--------------|
| Contact Underplating Material        | Nickel       |
| Contact Mating Area Plating Material | Tin          |
| Contact Base Material                | Copper Alloy |
| Contact Current Rating (Max)         | 8 A          |

### Housing Features



|                    |                  |
|--------------------|------------------|
| Housing Material   | LCP              |
| Centerline (Pitch) | 3.5 mm [.137 in] |

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Header Type                       | Fully Shrouded        |
| Terminal Block Connector Type     | Header                |
| Connector System                  | Wire-to-Board         |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 20 |
| Number of Rows      | 2  |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 300 VAC |
|-------------------|---------|

### Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40 – 115 °C [-40 – 239 °F] |
|-----------------------------|-----------------------------|

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
|--------------------|-----------|

### 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                   | Not Yet Reviewed  |
| 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                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free   |

## Solder Process Capability

Reflow solder capable to 260°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 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



## Documents

## Product Drawings

2x10P TB HDR VT (180) 3.5, BK

English

## CAD Files

## Customer View Model

ENG\_CVM\_CVM\_1-2842489-0\_1.3d\_stp.zip

English

## 3D PDF

3D

## Customer View Model

ENG\_CVM\_CVM\_1-2842489-0\_1.3d\_igs.zip

English

## Customer View Model

ENG\_CVM\_CVM\_1-2842489-0\_1.2d\_dxf.zip

English

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



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**Datasheets & Catalog Pages**

**PUSH-In PCB Terminal Block Connectors**

English

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**Product Specifications**

**Application Specification**

English

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**Agency Approvals**

**UL**

English