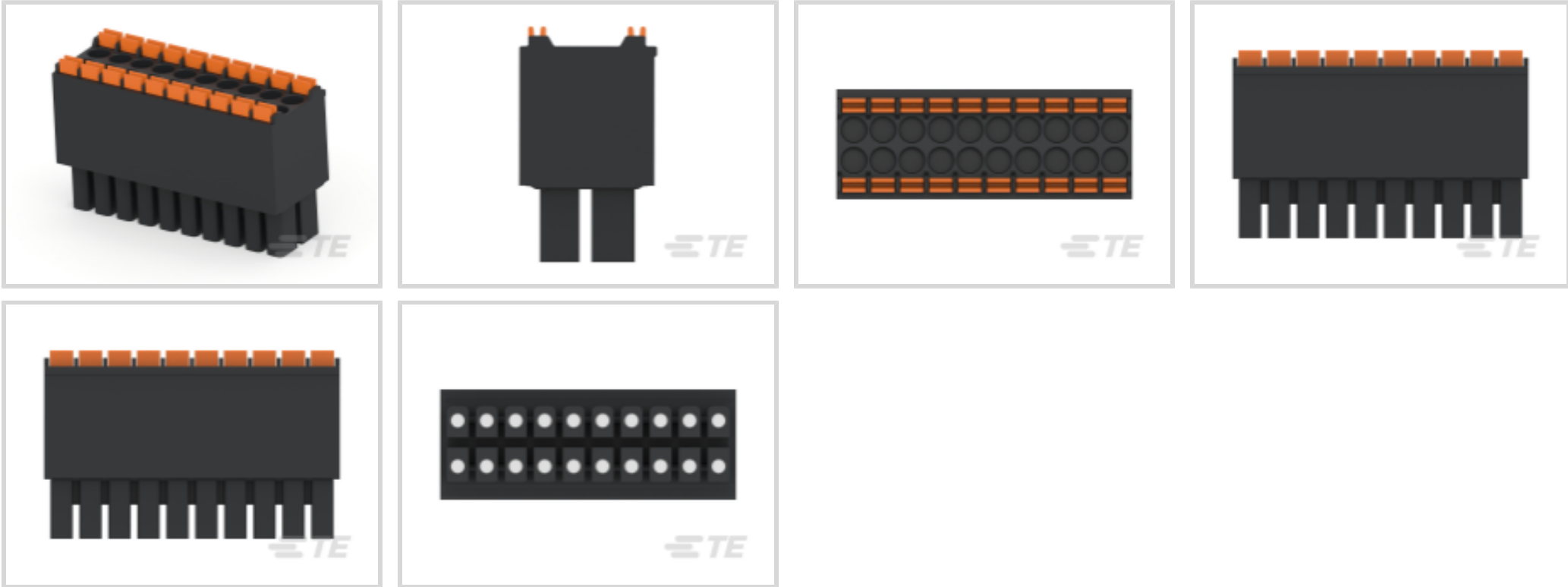




TE Internal #: 1-2842487-0
20 Position PCB Terminal Block, Plug, Wire-to-Board, 3.5 mm [.137 in] Centerline, 2 Row, 180° Wire Entry Angle, 24 – 16 AWG, .2 – 1.3 mm² Wire
[View on TE.com >](#)

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



Number of Positions: 20
Terminal Block Connector Type: Plug
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

Product Type Features

Wire Protection	Without
Terminal Block Connector Type	Plug
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Wire Entry Location	Top
Number of Positions	20
Number of Rows	2
Wire Entry Angle	180°

Electrical Characteristics

Operating Voltage	300 VAC
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Body Features

Primary Product Color	Black
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Product Orientation	Vertical
Lever Color	Orange

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Tin (Sn)
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	8 A

Termination Features

Termination Method to Wire & Cable	Push-in
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Housing Material	PA 66
Centerline (Pitch)	3.5 mm[.137 in]

Dimensions

Wire Size	24 – 16 AWG
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Usage Conditions

Operating Temperature Range	-40 – 115 °C[-40 – 239 °F]
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Operation/Application

Circuit Application	Power & Signal
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Packaging Features

Packaging Method	Box
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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) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC



Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

TE Part # CAT-124-T
Push-In PCB Terminal Blocks: Time Saving Connectors

Customers Also Bought

TE Part #1-2324584-2
HSG,REC,PANEL MOUNT,DUALROW,EP2.5

TE Part #4-2271099-0
CELLO,MALE,RA, 2.54PITCH, DIP3.0, WC

TE Part #1-1827864-8
DYNAMIC 1200D REC HSG 16PX BLACK

TE Part #4-2271014-0
CELLO,REC,96P,TH,V,FG,DIP3.0,-



TE Part #534206-1
02 MODII VRT DR CE 100/115

TE Part #4-2271908-0
CELLO,REC,48P,TH,V,FG,DIP3.0,-

TE Part #534206-2
04 MODII VRT DR CE 100/115

TE Part #1-2842491-0
2x10P TB HDR HZ (90) 3.5, BK

TE Part #1-2834204-3
2.5MM LATCH LOCK V-TH CONN.
4P_NATURAL

TE Part #1-2834204-2
2.5MM LATCH LOCK V-TH CONN.
3P_NATURAL

Documents

Product Drawings

2x10P Spring TB Plug 3.5, BK

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-2842487-0_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2842487-0_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2842487-0_1.3d_stp.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

PUSH-In PCB Terminal Block Connectors

English

Product Specifications

Application Specification

English

Agency Approvals

UL

1-2842487-0

20 Position PCB Terminal Block, Plug, Wire-to-Board, 3.5 mm [.137 in] Centerline, 2 Row, 180° Wire Entry Angle, 24 – 16 AWG, .2 – 1.3 mm² Wire



English