

2098835-1 ✓ ACTIVE

1.5/2.8 Connector System

TE Internal #: 2098835-1

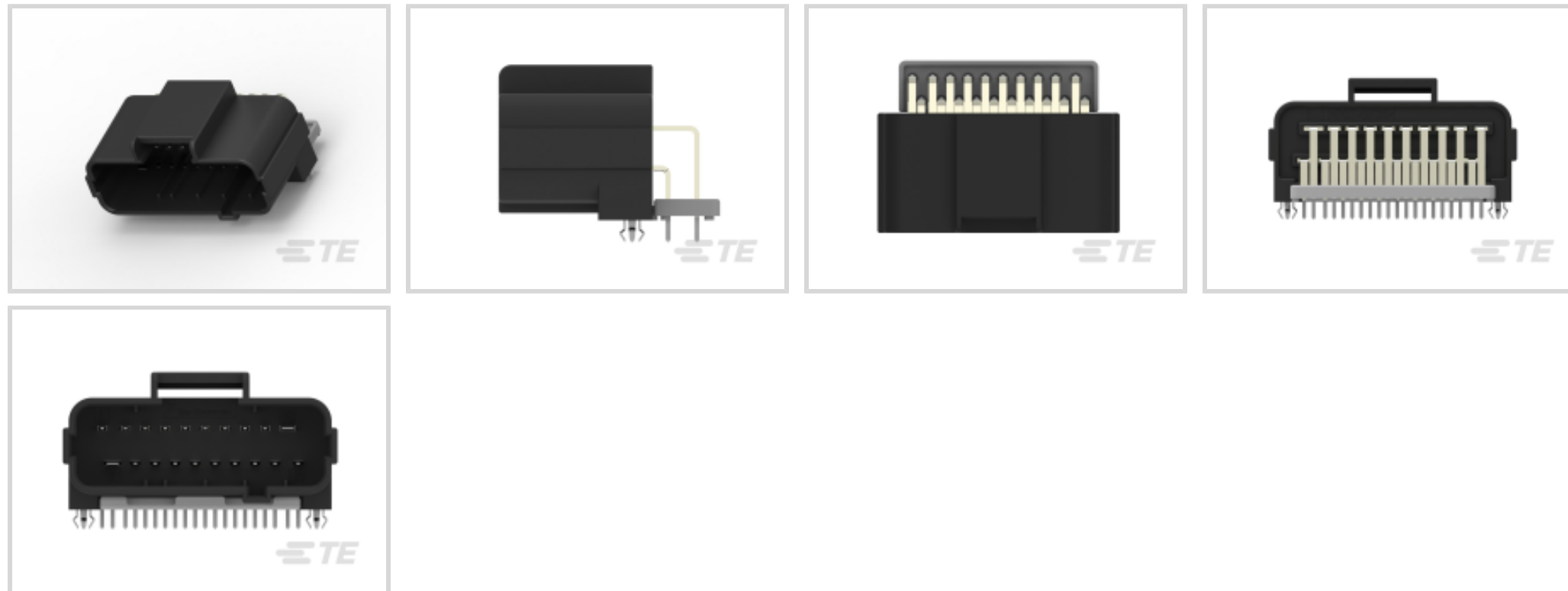
PCB Mount Header, Horizontal, Wire-to-Board, 20 Position, 1.5/2.8

Connector System

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles > LOW & MEDIUM POWER HEADER



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

Number of Positions: **20**

Centerline (Pitch): **3.52 mm, 4.01 mm, 4.1 mm [.138 in, .158 in, .161 in]**

Sealable: **No**

PCB Mount Orientation: **Horizontal**

[All LOW & MEDIUM POWER HEADER \(153\)](#)

Features

Product Type Features

Hybrid Header	Yes
Connector & Housing Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Positions	20
PCB Mount Orientation	Horizontal
Number of Rows	2

Body Features



Primary Product Color	Black
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Connector Code	A
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Contact Features

Contact Size	1.5mm, 2.8mm
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Contact Type	Tab
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Mating Tab Width	1.5 mm, 2.8 mm [.059 in][.11 in]
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Mating Tab Thickness	.8 mm [.031 in]
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Contact Mating Area Plating Material	Tin (Sn)
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mounting Holes	Without
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Mating Retention	With
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Mating Alignment	With
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PCB Mount Alignment	With
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Panel Mount Feature	Without
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PCB Mount Retention	With
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PCB Mount Retention Type	Boardlock
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Mating Retention Type	Locking Interface
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Housing Features

Centerline (Pitch)	3.52 mm, 4.01 mm, 4.1 mm [.138 in][.158 in][.161 in]
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Dimensions

Connector Length	48.5 mm [1.909 in]
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Connector Width	34.5 mm [1.358 in]
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PCB Thickness (Recommended)	1.6 mm [.063 in]
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Profile Height from PCB	24.2 mm [.953 in]
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Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C [149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
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Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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Operation/Application



Shielded	No
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	None
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Packaging Features

Packaging Type	Package
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Packaging Quantity	36
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2018 (181) SVHC > Threshold: Not Yet Reviewed
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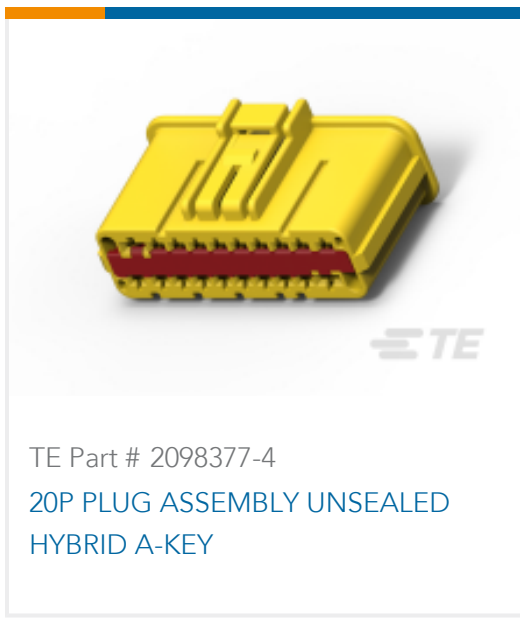
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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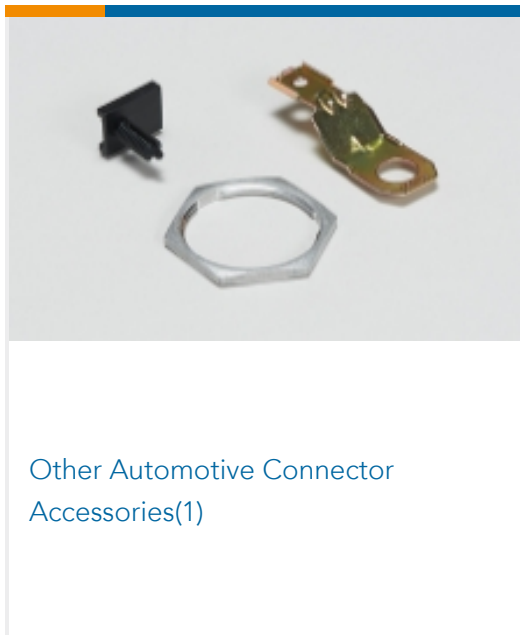
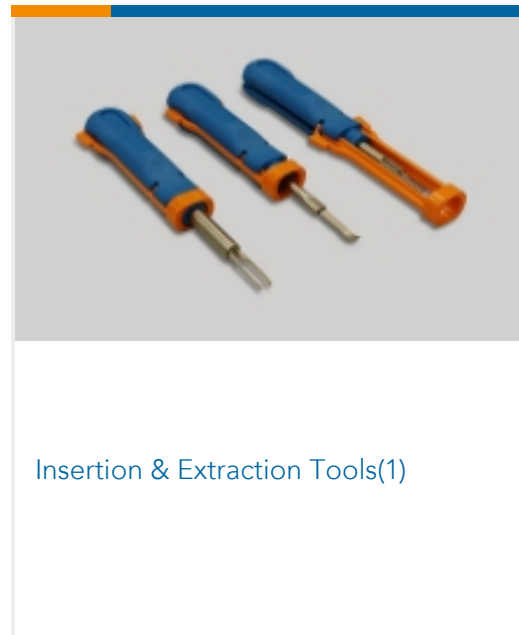
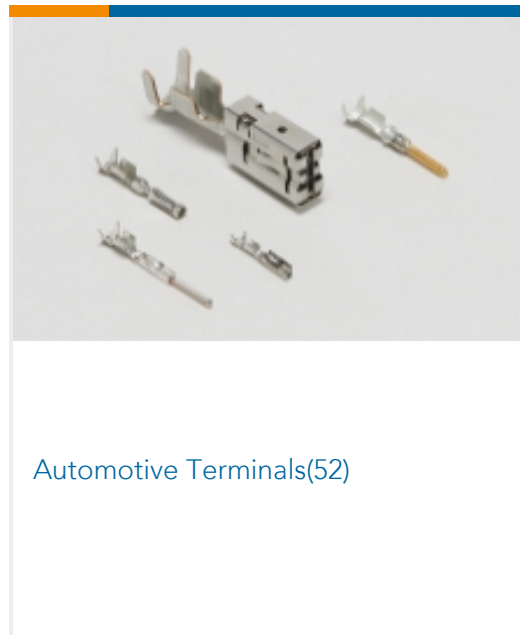
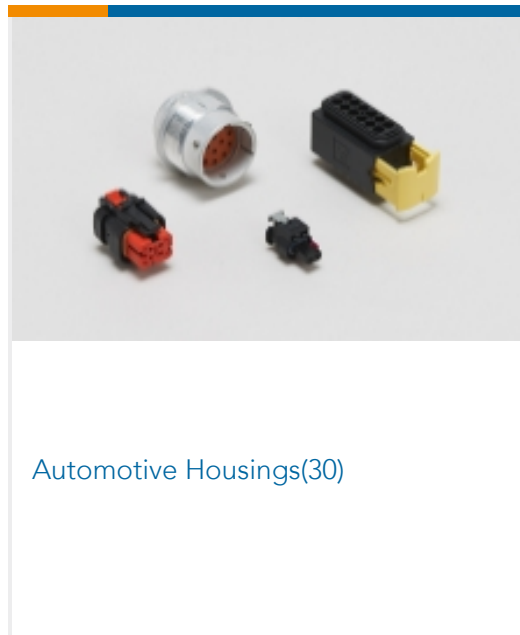
Product Compliance Disclaimer

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



Also in the Series | 1.5/2.8 Connector System



Customers Also Bought





Documents

Product Drawings

[20P HYBRID HEADER ASSEMBLY KEY](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2098835-1_A_c-2098835-1-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2098835-1_A_c-2098835-1-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2098835-1_A_c-2098835-1-a.3d_stp.zip](#)

English

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

Product Specifications

[Product Specification](#)

English