

1456468-1 ✓ ACTIVE

Generation Y Connector System

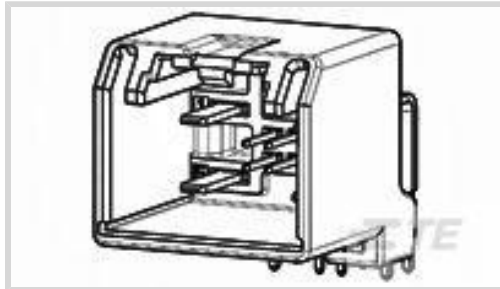
TE Internal #: 1456468-1

PCB Mount Header, Horizontal, Wire-to-Board, 8 Position, .1 in [2.54 mm] Centerline, Fully Shrouded, Tin (Sn), Generation Y Connector System

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Connectors > PCB Connectors > PCB Headers & Receptacles > SIGNAL HEADER



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

Number of Positions: **8**

Centerline (Pitch): **2.54 mm [.1 in]**

Sealable: **No**

PCB Mount Orientation: **Horizontal**

[All SIGNAL HEADER \(414\)](#)

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 Signal Positions	4
Number of Positions	8
PCB Mount Orientation	Horizontal
Number of Rows	2

Body Features

Primary Product Color	Black
Connector Code	A

Contact Features



Contact Size	.64mm, 2.8mm
Contact Type	Tab
Mating Tab Width	.64 mm, 2.8 mm [.025 in][.11 in]
Mating Tab Thickness	.64 mm, .8 mm [.025 in][.031 in]
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

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

Mounting Holes	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole

Housing Features

Centerline (Pitch)	2.54 mm [.1 in]
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Dimensions

Connector Length	24.82 mm [.977 in]
Connector Width	25.6 mm [1.008 in]
PCB Thickness (Recommended)	1.57 mm [.062 in]
Profile Height from PCB	24.08 mm [.948 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C [149 °F][158 °F][167 °F][176 °F][185 °F]
Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Packaging Features

Packaging Type	Tube
Packaging Quantity	57



Product Compliance

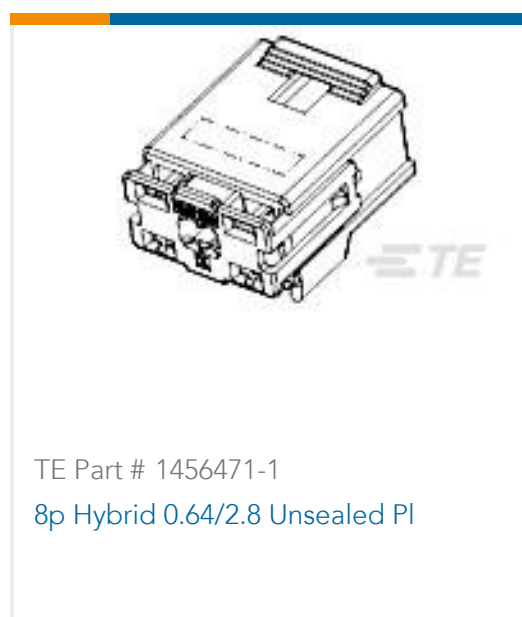
[For compliance documentation, visit the product page on TE.com>](#)

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 2022 (224) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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.

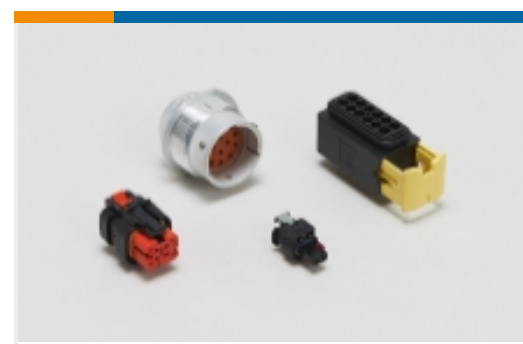
Compatible Parts



Also in the Series | [Generation Y Connector System](#)



Automotive Connector Caps & Covers (16)



Automotive Housings(153)



Automotive Terminals(39)

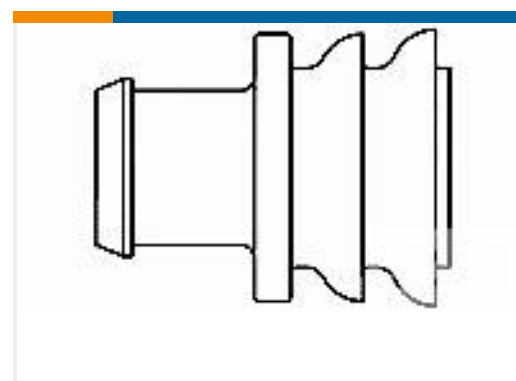


Insertion & Extraction Tools(1)



PCB Headers & Receptacles(15)

Customers Also Bought

TE Part #DT06-2S
DEUTSCH DT Series Housings & ConnectorsTE Part #W2S
DEUTSCH DT WEDGELOCKSTE Part #281934-2
SINGLE WIRE SEALTE Part #0460-202-16141
DEUTSCH SOLID CONTACTSTE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSINGTE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

[8p Hybrid 0.64/2.8 Unsealed Header Assy](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_1456468-1_B.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_1456468-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1456468-1_B.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English