1802824-1 ✔ ACTIVE

TH/.025 Connector System

TE Internal #: 1802824-1

Horizontal, Wire-to-Board, 8 Position, 2 Row, 2.2mm [.087in] Centerline, Tin (Sn), Printed Circuit Board, TH/.025 Connector System

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Automotive Parts > Automotive Connectors > Automotive Headers







PCB Mount Orientation: **Horizontal**

Contact Current Rating (Max): **5 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **No**

Centerline (Pitch): **2.2 mm [.087 in]**

Features

Product Type Features

Connector Product Type	Connector Assembly
Mixed & Hybrid Header	No
Header Type	Fully Shrouded
Connector Shape	Rectangular
Sealable	No
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Signal Positions	8
Number of Sections	1
PCB Mount Orientation	Horizontal
Number of Positions	8
Number of Rows	2

Electrical Characteristics

Operating Voltage	13.5 VDC
Nominal Voltage Architecture	13 V

Body Features

Primary Product Color	Black

Contact Features

Mating Tab Width	.64 mm[.025 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Type	Pin
Contact Current Rating (Max)	5 A
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Interface
PCB Mount Retention	With
Mounting Holes	Without
PCB Mount Retention Type	Boardlock
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.2 mm[.087 in]

Dimensions

Connector Width	24.47 mm[.963 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	18.6 mm[.732 in]
Profile Height from PCB	15.2 mm[.598 in]

Usage Conditions

Operating Temperature (Max)	100 °C[212 °F]
Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]

Operation/Application

Solder Process	Reflow Solder Capable

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	1100
Packaging Method	Tray

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

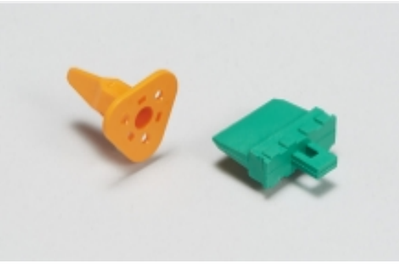
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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



TE Part # 1379659-1
8W PLUG HOUSING ASSY BLAC

Also in the Series | TH/.025 Connector System



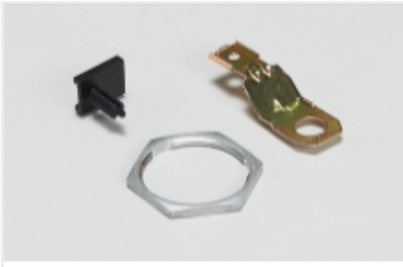
Automotive Connector Locks & Position Assurance(1)



Automotive Housings(64)



Automotive Signal & Power Connector Housings(64)



Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #515807-E
MCBA 12 M * SMD 137 * 176 * GURT C6 J 2



TE Part #CAT-SIGH262
Signal Header

TE Part #1-1571563-5
FSM14JSMAATRB=TACT,SMT,T&R



TE Part #1-1718646-1
6POS, MCON 1.2 LL REC SEALED

TE Part #1-1719393-1
8POS, MCON 1.2 LL REC SEALED

TE Part #2317507-1
2X6POS,NANOMQS,HDR ASSY, 90DEG,SMD,COD A

TE Part #2450874-3
4P,MATE-AX,HDR,ASSY,90EDG,CODC

TE Part #2450874-4
4P,MATE-AX,HDR,ASSY,90EDG,CODD

TE Part #3-2437439-3
ELECTRONIC UNIT,MQS,ACTION PIN FOR 1MM

Documents

Product Drawings

HEADER ASSY,8w .025 SERIES, R.

English

CAD Files

Customer View Model

ENG_CVM_CVM_1802824-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1802824-1_A.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1802824-1_A.2d_dxf.zip

English

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Product Specifications

Product Specification

English