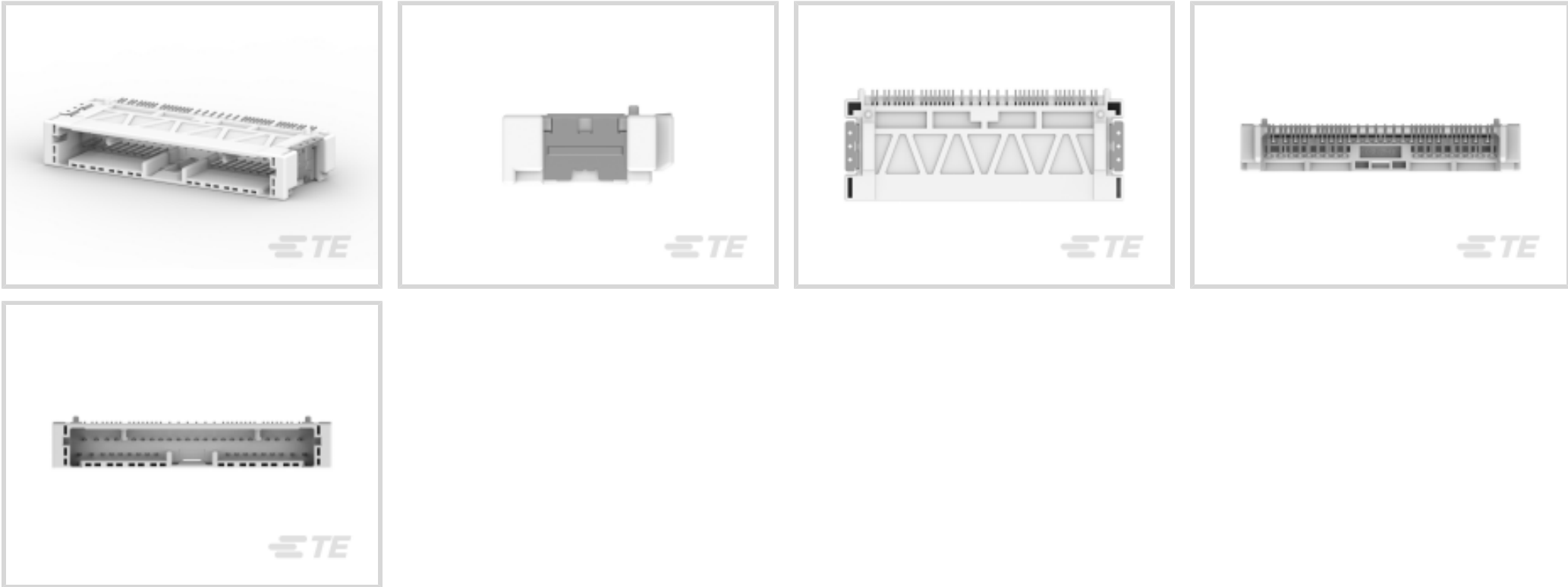




Connectors > PCB Connectors > PCB Headers & Receptacles > High Pin Count Header



Connector System: **Wire-to-Board**
Centerline (Pitch): **2 mm [.079 in]**
Sealable: **No**
PCB Mount Orientation: **Horizontal**
Number of Rows: **2**

[All High Pin Count Header \(64\)](#)

Features

Product Type Features

Mixed & Hybrid Header	No
Connector 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 Signal Positions	40
PCB Mount Orientation	Horizontal
Number of Rows	2

Electrical Characteristics

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Voltage Rating (Max)	12 VDC
Nominal Voltage Architecture	12 V
Operating Voltage	12 VDC

Body Features

Primary Product Color	Natural
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Contact Features

Contact Size	.5mm
Contact Type	Tab
Mating Tab Width	.5 mm[.02 in]
Mating Tab Thickness	.4 mm[.016 in]
Contact Mating Area Plating Material	Tin

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Mounting Holes	Without
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Retention Type	Locking Interface

Housing Features

Centerline (Pitch)	2 mm[.079 in]
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Dimensions

Connector Length	47 mm[1.85 in]
Connector Width	19 mm[.748 in]
Profile Height from PCB	7.9 mm[.311 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	-30 – 85 °C[-22 – 185 °F]

Operation/Application

Shielded	No
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Circuit Application	Signal
Packaging Features	
Packaging Quantity	30
Packaging Method	Tube

Product Compliance

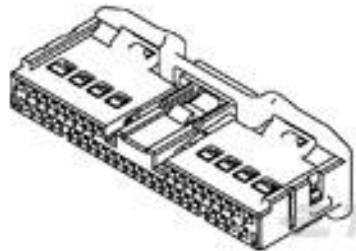
For compliance documentation, visit the product page on TE.com>

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 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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	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>

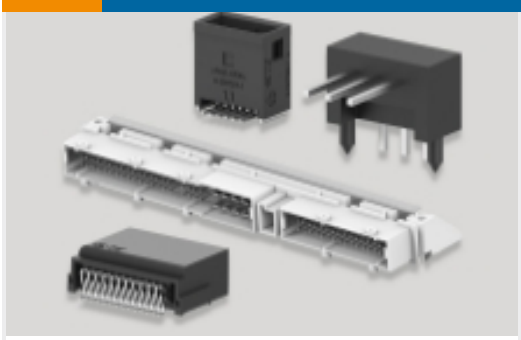
Compatible Parts



TE Part # 1827842-1
0.50 SERIES CONN 40POS PLUG
ASSY TYPE-A



Also in the Series | 0.50 Connector System

 Automotive Connector Caps & Covers (20)	 Automotive Housings(52)	 Automotive Terminals(14)	 Connector Seals & Cavity Plugs(2)
 Insertion & Extraction Tools(1)	 PCB Headers & Receptacles(37)		

Customers Also Bought

 TE Part #1717139-1 025/040 SEALED 132POS CAP ASSY	 TE Part #5-1775443-4 EMIX CONN., 1.5MM PITCH, HDR, V /T, 4P	 TE Part #1376357-8 Signal Header	 TE Part #1717396-3 Press-Fit & SMT Header
 TE Part #2069755-1 0.50 40POS Au18 Black CAP ASSY			

Documents

Product Drawings
0.50 SERIES 40POS CAP ASSEMBLY(SMT TYPE)

Japanese

CAD Files
3D PDF

3D



Customer View Model

[ENG_CVM_CVM_1871806-5_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871806-5_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871806-5_C.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English