2098835-1 ✔ ACTIVE

AMP | 1.5/2.8 Connector System

TE Internal #: 2098835-1

Horizontal, Wire-to-Board, 20 Position, 2 Rows, 3.52mm [.138in] Centerline, Tin over Nickel, Printed Circuit Board, Power, 1.5/2.8 Connector System

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > Low & Medium Power Header







PCB Mount Orientation: **Horizontal**

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

Sealable: **No**

Centerline (Pitch): **3.52 mm [.138 in]**

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

All Low & Medium Power Header (64)

Features

Product Type Features

Connector Product Type	Connector Assembly
Mixed & Hybrid Header	Yes
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	18
Number of Sections	1
PCB Mount Orientation	Horizontal
Number of Positions	20
Number of Rows	2

Body Features

Connector & Keying Code	A
Primary Product Color	Black

Contact Features

Mating Tab Width	1.5 mm, 2.8 mm[.059 in][.11 in]
Mating Tab Thickness	.8 mm[.031 in]
Contact Type	Tab
Contact Mating Area Plating Material	Tin over Nickel

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
Mating Alignment Type	Keyed
Mating Alignment	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	3.52 mm[.138 in]

Dimensions

Connector Width	48.5 mm[1.91 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	34.5 mm[1.35 in]
Profile Height from PCB	24.2 mm[.953 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Power

Packaging Features

Packaging Quantity	36
Packaging Method	Package

Other

Interface Number	2098836

Product Compliance

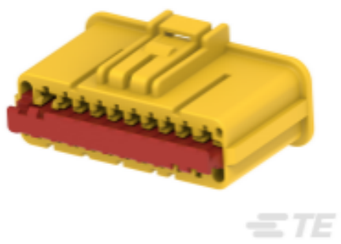
For compliance documentation, visit the product page on TE.com>

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 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 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 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 # 2098377-4
20P PLUG ASSEMBLY UNSEALED HYBRID A-KEY

Also in the Series | 1.5/2.8 Connector System



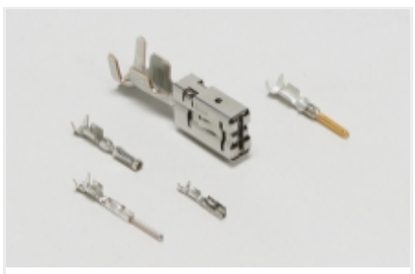
Automotive Connector Caps & Covers (3)



Automotive Housings(103)



Automotive Signal & Power Headers(1)



Automotive Terminals(46)

Customers Also Bought



TE Part #1-66359-0
III+ PIN,18-14,30AU/FL,STRIP



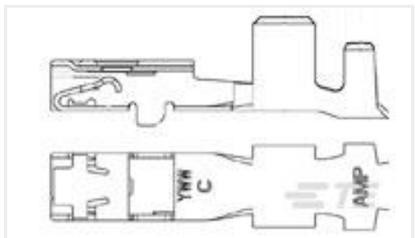
TE Part #66565-7
III+ SKT,24-20,TIN,LP



TE Part #206305-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part #206306-3
CPC RECPT SEALED SIZE 23-37



TE Part #1326030-4
2.8MM RECP,UNSEAL,10-12AWG



TE Part #1438759-2
22Way Hybrid 040/2.8 Plug Assy Key "C"



TE Part #1927688-3
ASSY, 1X6,GET RA HDR, KEY C



TE Part #CAT-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING

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