20POS,TAB 0.5X0.4,HEADER ASSY,CODB ✔ ACTIVE

AMP | MQS

TE Part # 1-2177367-3

TE Internal #: 1-2177367-3

MINIATURIZED HEADER

View on TE.com >

Connectors > Automotive, Truck, Bus, & Off-Road Connectors > PCB Headers > MINIATURIZED HEADER



Number of Positions: 20

Centerline (Pitch): 1.8 mm [.071 in]

Sealable: No

Mounting Orientation: Horizontal/90°

Number of Rows: 2

All MINIATURIZED HEADER (44)

Features

Product Type Features

Hybrid Header	No
Shielded	No
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Signal Positions	20
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Body Features

Color	Black

Contact Features

Tab Width	.5 mm[.02 in]
Tab Thickness	.4 mm[.016 in]

Interface Plating	Tin (Sn)

Termination Features

Termination Method	Through Hole - Solder

Mechanical Attachment

Locking Interface	With
PCB Mount Alignment	With
Mounting Holes	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mounting Orientation	Horizontal/90°

Housing Features

Centerline (Pitch)	1.8 mm[.071 in]

Dimensions

Length	27.25 mm[1.073 in]
PCB Thickness (Recommended)	.8 mm[.031 in]
Profile Height from PCB	12.6 mm[.496 in]
Width	24.47 mm[.963 in]

Usage Conditions

Operating Temperature (Max)	100 °C, 105 °C, 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Type	Tray
Packaging Quantity	1

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: JAN 2019 (197) 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 reviewed for solder process capability

Product Compliance Disclaimer

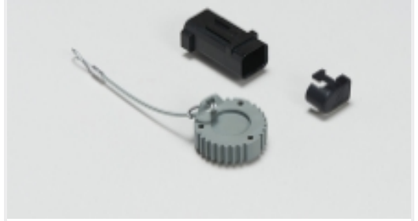
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



TE Part # 2177588-2
20POS NANO MQS TL PLUG HOUSING, CODE B

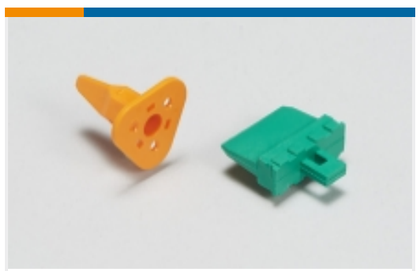
Also in the Series | MQS



Automotive Connector Caps & Covers(141)



Automotive Connector EMC Shielding(2)



Automotive Connector Locks & Position Assurance (29)



Automotive Seals & Cavity Plugs(34)



Automotive, Truck, Bus, & Off-Road Headers(212)



Automotive, Truck, Bus, & Off-Road Housings(536)



Automotive, Truck, Bus, & Off-Road Terminals(110)



Data Connectivity Headers (1)



Other Automotive Connector Accessories(13)

Customers Also Bought



TE Part #1461193-9
PCFN-124D2M,000



TE Part #84953-9
1MM FPC HORZ.TOP CONT.ASSY 9P



TE Part #2170668-1
ANGLED ENTRY JACK, SHIELDED RJ45



TE Part #4-643818-0
10P MTA156 CONN ASSY 20AWG YEL



TE Part #1734248-9
1.0 FPC, ZIF V/T, SMT, 9P



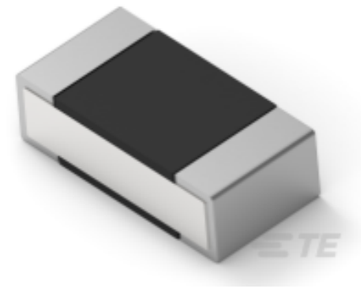
TE Part #3-643818-9
09P MTA156 CONN ASSY 20AWG YEL



TE Part #8-1879128-0
RN 0402 1K02 0.1% 10PPM 1K RL



TE Part #9-1879129-5
RN 0402 2K55 0.1% 10PPM 1K RL



TE Part #3-2176311-4
RP 1E 0.1W 2K55 0.1%
25PPM 1K RL

Documents

Product Drawings

20POS,TAB 0.5X0.4,HEADER ASSY,CODB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2177367-3_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2177367-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2177367-3_D.3d_stp.zip

English

Product Specifications

Application Specification

English