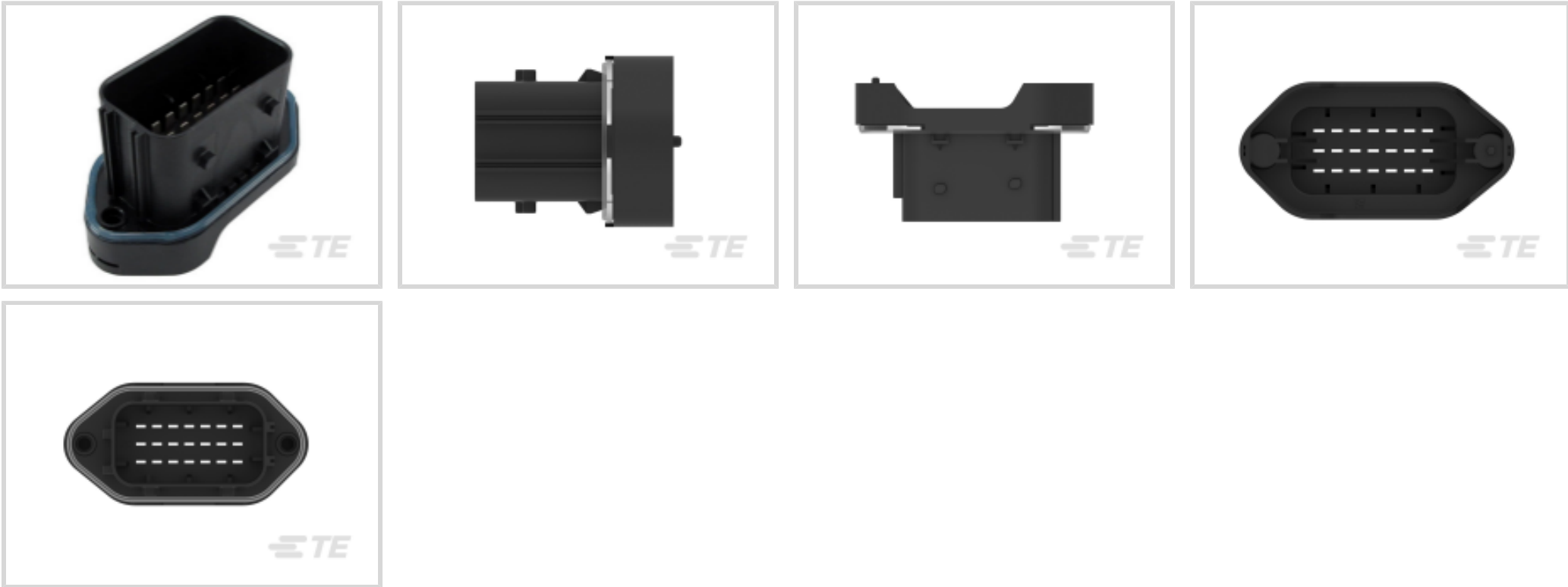




Connectors > PCB Connectors > PCB Headers & Receptacles > LEAVYSEAL Headers



Connector System: **Wire-to-Board**
Number of Positions: **21**
Centerline (Pitch): **5 mm [.197 in]**
Sealable: **Yes**
PCB Mount Orientation: **Vertical**

[All LEAVYSEAL Headers \(13\)](#)

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	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	21
PCB Mount Orientation	Vertical
Number of Rows	3

Electrical Characteristics

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Nominal Voltage Architecture	12 V, 24 V
Operating Voltage	28 VDC

Body Features

Primary Product Color	Black
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Contact Features

Contact Size	2.8mm
Contact Type	Tab
Mating Tab Width	2.8 mm[.11 in]
Mating Tab Thickness	.8 mm[.031 in]
Contact Mating Area Plating Material	Silver
Contact Current Rating (Max)	40 A

Termination Features

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

Mounting Holes	With
Mating Alignment Type	Polarization Rib
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	5 mm[.197 in]
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Dimensions

Connector Length	76 mm[2.992 in]
Connector Width	38 mm[1.482 in]
Profile Height from PCB	42.45 mm[1.671 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
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Operating Temperature Range

-40 - 120 °C[-40 - 248 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

Degree of Protection	IP67, IP69K
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	105
Packaging Method	Loose Piece

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 2024 (240) Candidate List Declared Against: JUNE 2022 (224) 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 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 # CAT-L489-CH8172
LEAVYSEAL Housings

TE Part # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)

TE Part # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB

TE Part # 1801286-1
9W SEALED CONNECTOR FOR MCP CONTACT

TE Part # 828904-1
SINGLE WIRE SEAL FOR J.P.T.CON

Also in the Series

LEAVYSEAL

Automotive Connector Caps & Covers
(18)

Automotive Housings(79)

Insertion & Extraction Tools(5)

Other Automotive Connector
Accessories(15)

PCB Headers & Receptacles(16)

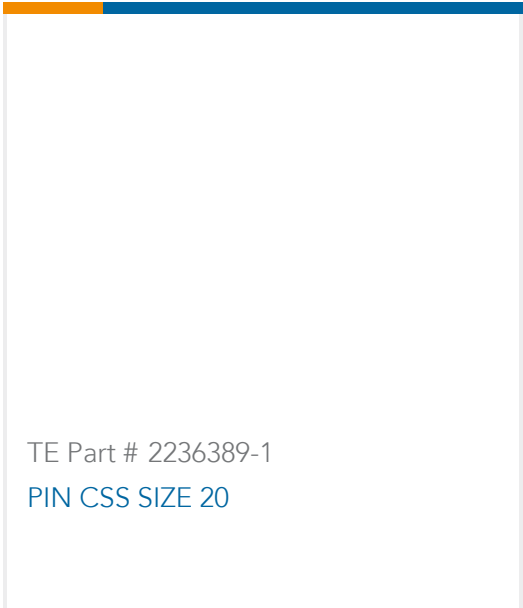
Customers Also Bought

TE Part # 4-1879234-4
SMF5 33K 5%

TE Part # 5-1775444-4
EMIX CONN., 1.5MM PITCH, HDR, R /A, 4P

TE Part # 8-1676481-3
CPF 0603 22K 0.1% 25PPM 1K RL

TE Part # 1-1452228-9
TAB HEADER 92POS.



Documents

Product Drawings

MESSERLEISTE 21P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1534238-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1534238-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1534238-1_F.3d_stp.zip

English

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

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Product Specification

English