2141968-5 ✔ ACTIVE

Generation Y Connector System

TE Internal #: 2141968-5

12 V, 46 Position, Automotive Housing for Female Terminals, Wire-to-Board, 3.8 mm / 6 mm [.149 in / .236 in] Centerline, Generation Y Connector System

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Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V**

Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: **46**

Sealable: **Yes**

Number of Rows: **3**

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	46
Number of Rows	3

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180°

Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	.64mm, 2.8mm, 6.3mm
Contact Type	Receptacle
Mating Tab Width	.64 mm, 2.8 mm, 6.3 mm[.025 in][.11 in][.25 in]

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF20
Centerline (Pitch)	3.8 mm, 6 mm[.149 in][.236 in]

Dimensions

Row-to-Row Spacing	4.5 mm, 8.5 mm[.18 in][.34 in]
Product Width	36.6 mm[1.44 in]
Product Length	92 mm[3.62 in]
Connector Height	43.5 mm[1.71 in]

Operation/Application

Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	120
Packaging Method	Package

Other

Serviceable	Yes
Connector Position Assurance Capable	No

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 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 # 2141969-1
COVER, WITH LEVER,ASSY

Also in the Series | Generation Y Connector System



Automotive Housings(139)

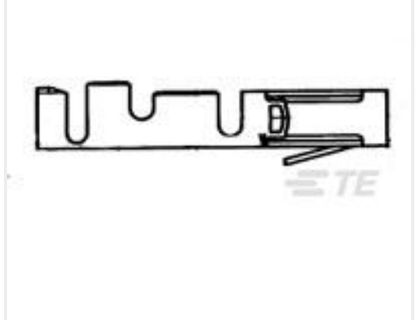


Automotive Seals & Cavity Plugs(6)



Automotive Signal & Power Connector Housings(139)

Customers Also Bought



TE Part #182206-2
MOD 2 TERMINAL



TE Part #1612683-1
060/187 ABS 26POS PLUG ASSY



TE Part #2035334-1
CONTACT,FEMALE0.64, 20 TO 22 A



TE Part #9-2141968-9
46POS, MIXED,REC HSG,ASSY, SEALED



TE Part #2141969-1
COVER, WITH LEVER,ASSY



TE Part #175090-1
.187 SEALD REC CONT M



TE Part #900293-1
ABS .060 REC CONTACT

Documents

Product Drawings

46POS, MIXED,REC HSG,ASSY,SEALED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2141968-5_B1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2141968-5_B1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2141968-5_B1.3d_stp.zip

English

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Product Specifications

Application Specification

English