



Generation Y Connector System

TE Internal #: 9-2141968-9

Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 46
Position, Generation Y Connector System

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Connectors > Automotive Connectors > Connector Housings



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

Mating Tab Width: **.64 mm, 2.8 mm, 6.3 mm [.025 in, .11 in, .248 in]**

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

Number of Positions: **46**

Centerline (Pitch): **3.8 mm, 6 mm, 6.6 mm, 8.8 mm [.15 in, .236 in, .26 in, .346 in]**

Features

Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	Yes
Hybrid Connector	Yes
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	46
Number of Rows	3

Electrical Characteristics

Operating Voltage	14 VDC
Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	Other
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Body Material	PBT GF
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Primary Product Color	Black
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Connector Code	A
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Contact Features

Contact Size	.64mm, 2.8mm, 6.3mm
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Contact Type	Receptacle
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Mating Tab Width	.64 mm, 2.8 mm, 6.3 mm [.025 in][.11 in][.248 in]
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Mechanical Attachment

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

Centerline (Pitch)	3.8 mm, 6 mm, 6.6 mm, 8.8 mm [.15 in][.236 in][.26 in][.346 in]
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Dimensions

Product Width	38.8 mm [1.528 in]
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Product Length	92 mm [3.622 in]
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Product Height	35.8 mm [1.409 in]
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Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
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Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]
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Operation/Application

Circuit Application	Power & Signal
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Packaging Features

Packaging Quantity	90
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Packaging Method	Package
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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 2022 (224) 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 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 # 2141685-1
COVER,46WAY ABS CONNECTOR, ASSY



TE Part # 2141969-2
COVER, WITH LEVER, ASSY

Also in the Series | **Generation Y Connector System**



Automotive Connector Caps & Covers (16)



Automotive Housings(153)



Automotive Terminals(39)

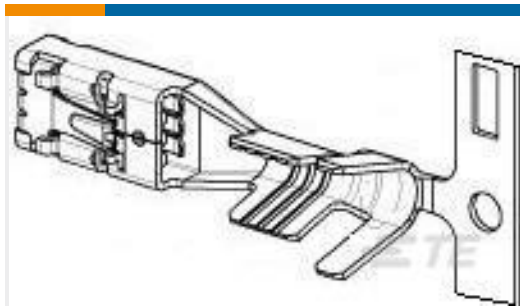


Insertion & Extraction Tools(1)



PCB Headers & Receptacles(15)

Customers Also Bought



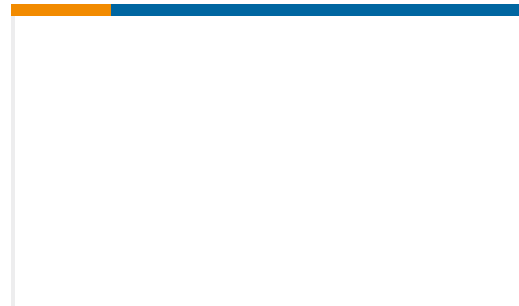
TE Part #1719836-1
MCON 2.8 TERMINAL - LL



TE Part #7501716009
RBK-ILS-125-NR4-0-65MM



TE Part #1-2295389-2
PLUG ASSY, 24WAY HYBRID,
UNSEALED, B



TE Part #1-2295389-3
PLUG ASSY, 24WAY HYBRID,
UNSEALED, C



TE Part #1-2295389-4
PLUG ASSY, 24WAY HYBRID,
UNSEALED, D



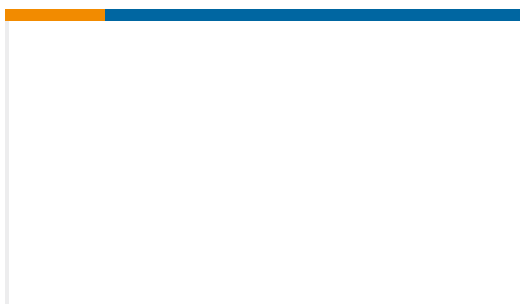
TE Part #1-2295389-6
PLUG ASSY, 24WAY HYBRID,
UNSEALED, F



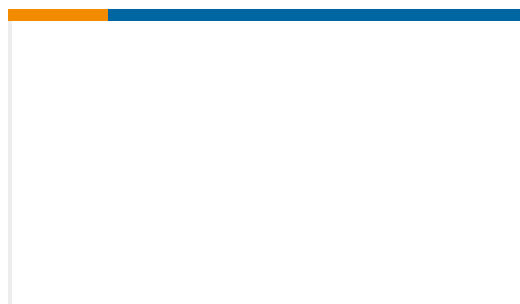
TE Part #1-2295393-2
PLUG ASSY, 16WAY, HYBRID,
UNSEALED, B



TE Part #2-2141968-7
46POS,0.64 GENER. Y,REC HSG ASSY,
SLD



TE Part #2317734-1
92POS,SOC HSG,CCS,UNSLD,COD 1



TE Part #2317770-2
92POS,CCS,SOC HSG ASSY,UNSLD,
COD 1

Documents



CAD Files

Customer View Model

[ENG_CVM_CVM_9-2141968-9_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_9-2141968-9_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-2141968-9_B.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English