2141648-1 ✔ ACTIVE

Generation Y Connector System

TE Internal #: 2141648-1

12 V, 13 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 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: **13**

Sealable: **No**

Number of Rows: **3**

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	13
Number of Rows	3

Electrical Characteristics

Operating Voltage	14 VDC
Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	.64mm, 1.5mm, 2.8mm
Contact Type	Receptacle
Mating Tab Width	.64 mm, 1.5 mm, 2.8 mm[.025 in][.059 in][.11 in]

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA 66 GF35
Centerline (Pitch)	2.54 mm, 3.7 mm, 12.5 mm[.1 in][.15 in][.49 in]

Dimensions

Row-to-Row Spacing	6.5 mm[.26 in]
Product Width	24.7 mm[.97 in]
Product Length	23.8 mm[.94 in]
Connector Height	23.2 mm[.91 in]

Operation/Application

Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	540
Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

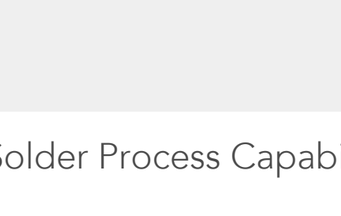
For compliance documentation, visit the product page on TE.com>

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

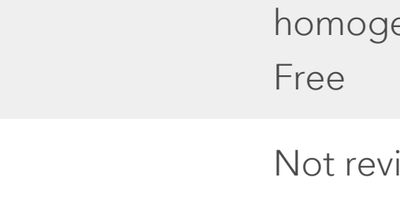
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

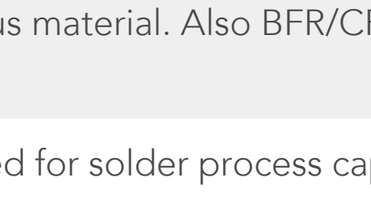


TE Part # 1924955-7
CONTACT,FEMALE0.64,0.13SQMM, UN

TE Part # 1924955-2
CONTACT,FEMALE0.64,18AWG, UNSEALED



TE Part # 1924955-6
CONTACT,FEMALE,0.64,0.35SQMM, UNSEALED



TE Part # 1924955-5
CONTACT,FEMALE0.64,0.13SQMM, UN



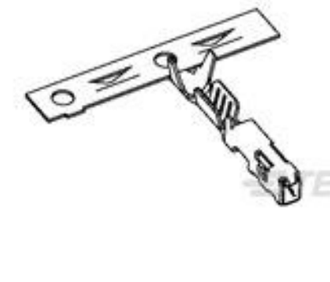
TE Part # 2141647-4
13POS, MIXED,TAB HSG,ASSY,CODB



TE Part # 1924955-4
CONTACT,FEMALE0.64,18AWG, UNSEALED



TE Part # 1924955-3
CONTACT,FEMALE0.64,20-22AWG, UNSEAL



TE Part # 1924955-1
CONTACT,FEMALE0.64,20-22AWG, UNSEAL



TE Part # 1924955-8
CONTACT,FEMALE,0.64,0.35SQMM, UNSEALED



TE Part # 2141647-1
13POS, MIXED,TAB HSG,ASSY,CODA

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 #634121-000
D-406-2006



TE Part #8-968973-1
MCP2.8 GEH 15P



TE Part #1-1534840-1
12POS MQS TAB COD A



TE Part #1534841-1
COVER FOR 12POS,MQS



TE Part #1924955-3
CONTACT,FEMALE0.64,20-22AWG, UNSEAL



TE Part #2035363-1
1X6 GENERATION Y ASSY KEY B



TE Part #5-2109455-2
050/110 48P CAP ASSY CODE A



TE Part #2141647-1
13POS, MIXED,TAB HSG,ASSY,CODA



TE Part #2141994-1
10POS,TAB 0.63X0.64,PIN HSG,ASSY



TE Part #2141999-1
10POS,0.64 GENER. Y,REC HSG,ASSY

Documents

Product Drawings

13POS, MIXED,REC HSG,ASSY,CODA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2141648-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2141648-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2141648-1_B.3d_stp.zip

English

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Product Specifications

Application Specification

English