

2141648-1 ✓ ACTIVE

Generation Y Connector System

TE Internal #: 2141648-1

Housing for Female Terminals, Wire-to-Wire, 13 Position, 2.54 mm / 3.7 mm [.1 in / .146 in] Centerline, Black, Generation Y Connector System

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Connectors > Automotive Connectors > Automotive Housings



Connector System: **Wire-to-Wire**

Number of Positions: **13**

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

Centerline (Pitch): **2.54 mm, 3.7 mm [.1 in, .146 in]**

Sealable: **No**

Features

Product Type Features

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

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][.06 in][.11 in]
Contact Current Rating (Max)	7.5 A, 15 A, 30 A

Mechanical Attachment

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

Housing Features

Housing Material	PA GF
Centerline (Pitch)	2.54 mm, 3.7 mm [.1 in][.146 in]

Dimensions

Connector Height	23.25 mm [.915 in]
Product Width	24.7 mm [.972 in]
Product Length	23.8 mm [.937 in]
Row-to-Row Spacing	5.9 mm [.232 in]

Usage Conditions

Operating Temperature (Max)	125 °C [257 °F]
Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]

Operation/Application

Circuit Application	Power & Signal
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 1924955-2
CONTACT,FEMALE0.64,18AWG,
UNSEALED



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



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



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




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



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



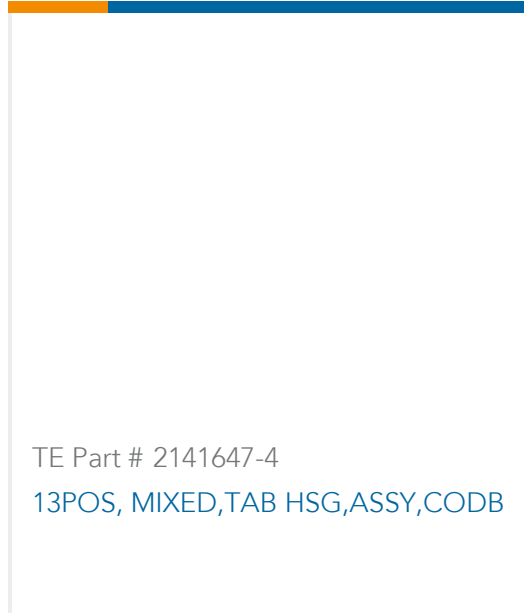
TE Part # 1924955-7
CONTACT,FEMALE0.64,0.13SQMM,
UN



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




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




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


Also in the Series | Generation Y Connector System




Automotive Connector Caps & Covers
(21)




Automotive Housings(157)



Automotive Terminals(46)



Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(19)

Customers Also Bought



TE Part #1-1534096-1
MQS ABDECKKAPPE2X6P



TE Part #2112323-1
SINGLE WIRE SEAL,MT 2,VT



TE Part #1-962843-1
TAB 2.8x0.8 CONTACT CS SRC Sn



TE Part #1924968-1
Contact, male 0.64, 20 to 22 AWG



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