

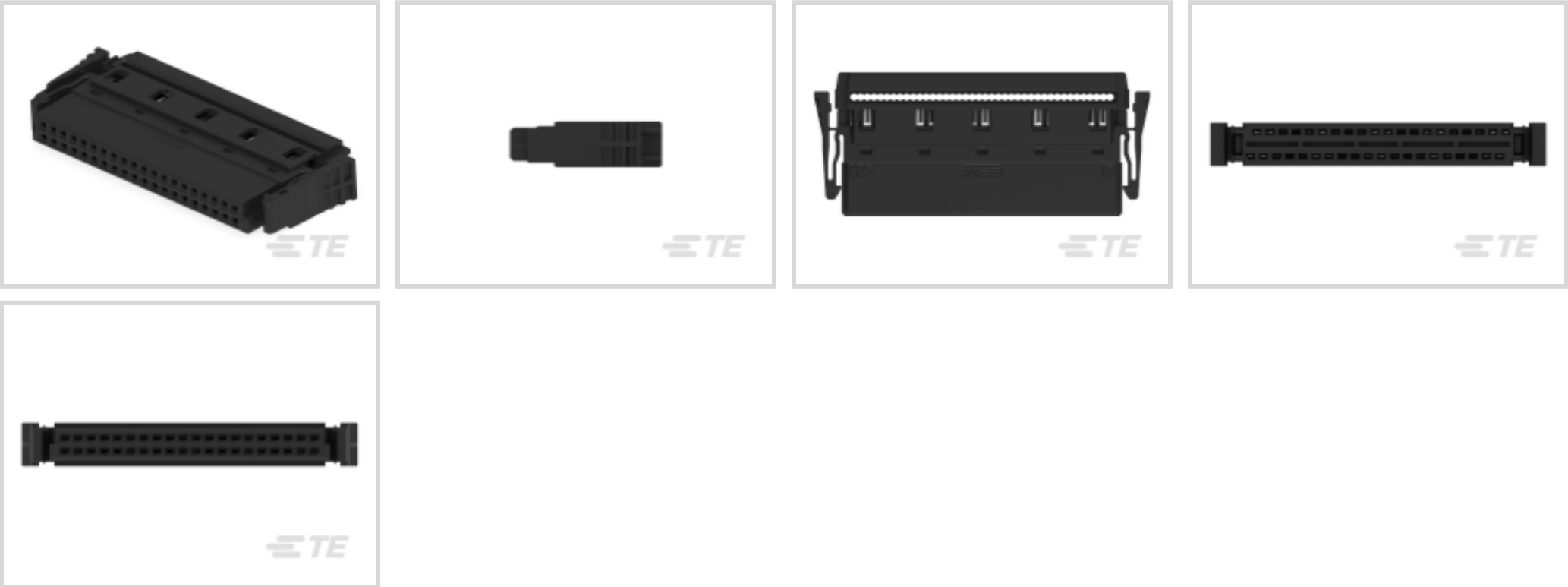
294816-E

✓ ACTIVE

TE Internal #: 294816-E
40 Position, Receptacle, Connector Assembly, Insulation
Displacement (IDC), Cable-to-Board, UL 94V-0, 1.27 mm [.05 in]
Centerline, 2 Row, Wire & Cable
[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Mating Retention: **With**
Mating Retention Type: **Locking Latch**
Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	40
Number of Rows	2

Electrical Characteristics

Operating Voltage	10 VDC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Matrix
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Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1.6 A
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Mating Retention	With
Mating Retention Type	Locking Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Liquid Crystal Polymer (LCP)

Dimensions

Row-to-Row Spacing	1.27 mm[.05 in]
Wire Size	.06 mm ²

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	



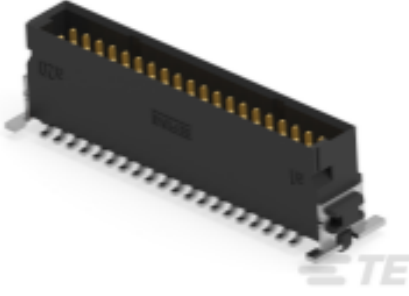
Current ECHA Candidate List: JUNE 2025 (250)
Candidate List Declared Against: JUNE 2025 (250)
Does not contain REACH SVHC

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



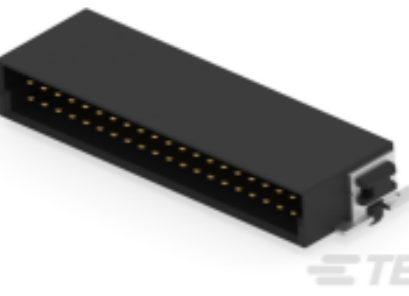
TE Part # 254539-E
SMCQ 40 M AB VV 8-03 CL * H007 137 E005



TE Part # 254417-E
SMCQ 40 M AB VV 8-23 CL * H007 137 E005



TE Part # 254590-E
SMCQ 40 M AB VV 8-13 CL * H007 137 E005



TE Part # 354097-E
SMCB 40 M AB VV 7-03 CL * 0007 137 E004

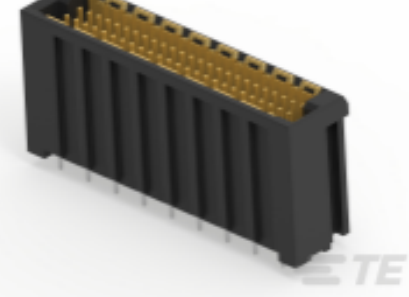
Customers Also Bought



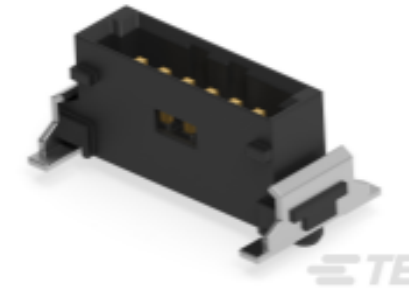
TE Part #254590-E
SMCQ 40 M AB VV 8-13 CL * H007 137 E005



TE Part #T1936030000-000
H3APR-AGC



TE Part #354186-E
MSPEED 50 M SMDTHR M9 B AB VV 137 094 *



TE Part #284698-E
SRCP 1,27 6 M 1 SMD 137 E1 094 * GU-H *



TE Part #214347-E
SMCB 50 F AB VV 6-01 VH * 0008 137 E002

TE Part #T1012241100-001
H24BK-KDTP-SS

TE Part #5-146132-2
04 MODII HDR SR SFMNT B/A .100

TE Part #T2080122201-001
HQ-012 FEMALE INSERT, FITTING WITH H3APR

TE Part #374338-E
DRCBUG B 2,54 20 * CSI 165 E012 ADV J 2

TE Part #7-1423008-3
T92S7D14-24-03

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_294816-E_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_294816-E_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_294816-E_B.3d_stp.zip

English

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

Product Specifications

SMC_Receptacle_with_Ribbon_Cable_IDC_and_Header

English