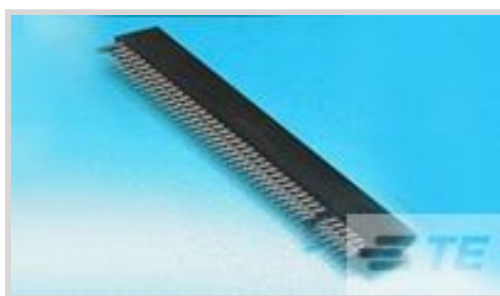


TE Internal #: 8-5530843-8

Board-to-Board Card Edge Power Connector, 40 Position, 2.54 mm
 [.1 in] Centerline, Power & Signal, 40 Power Positions, 0 Signal
 Positions

[View on TE.com >](#)

Connectors > PCB Connectors > Card Edge Connectors > Card Edge Power Connectors

Connector System: **Board-to-Board**Number of Positions: **40**Centerline (Pitch): **2.54 mm [.1 in]**Contact Current Rating (Max): **3 A**Circuit Application: **Power & Signal**

Features

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Body Features

Primary Product Color	Black
-----------------------	-------

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

PCB Mount Retention	Without
---------------------	---------

Other

Position Locations Omitted	0
----------------------------	---

EU RoHS Compliance	Compliant
--------------------	-----------

EU ELV Compliance	Compliant
-------------------	-----------

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
--------------------------------	------------------

Termination Method to PCB	Through Hole - Solder
---------------------------	-----------------------

Dimensions

Card Slot Depth	7.75 mm[.321 in]
-----------------	------------------

Connector Height	15.75 mm[.87 in]
------------------	------------------

Power Contact Centerline	2.54 mm[.1 in]
--------------------------	----------------

Contact Features



Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Contact Current Rating (Max)	3 A
Contact Mating Area Plating Material	Gold

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2.54 mm[.1 in]

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	40
Number of Power Positions	40
Number of Signal Positions	0
Number of Dual Positions	20

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

Electrical Characteristics

Operating Voltage	400 V
-------------------	-------

Usage Conditions

Operating Temperature Range	-55 – 85 $^{\circ}\text{C}$ [-67 – 185 $^{\circ}\text{F}$]
-----------------------------	---

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

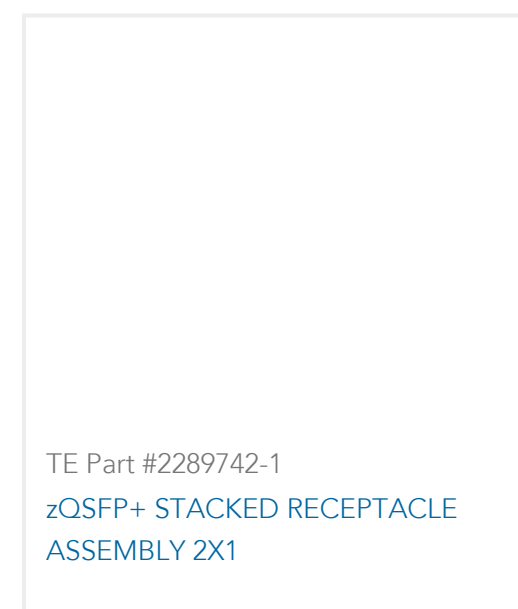
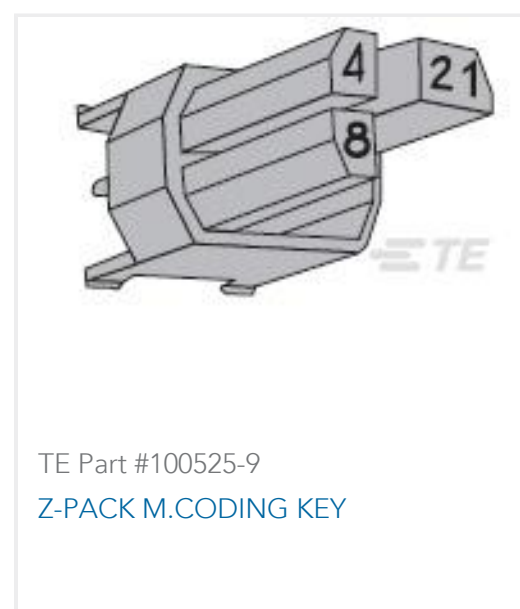
Product Compliance Disclaimer

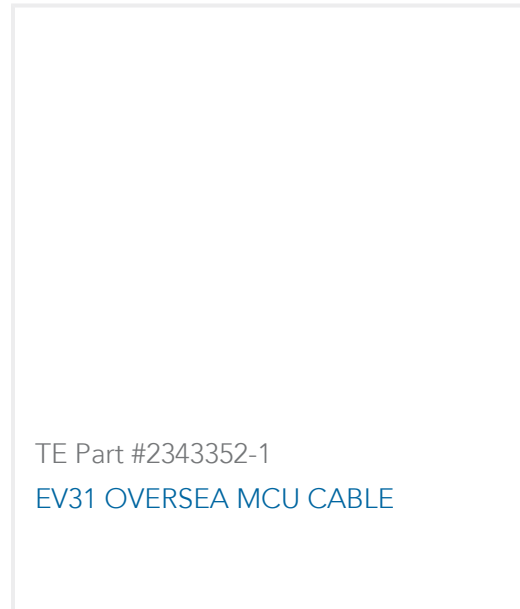
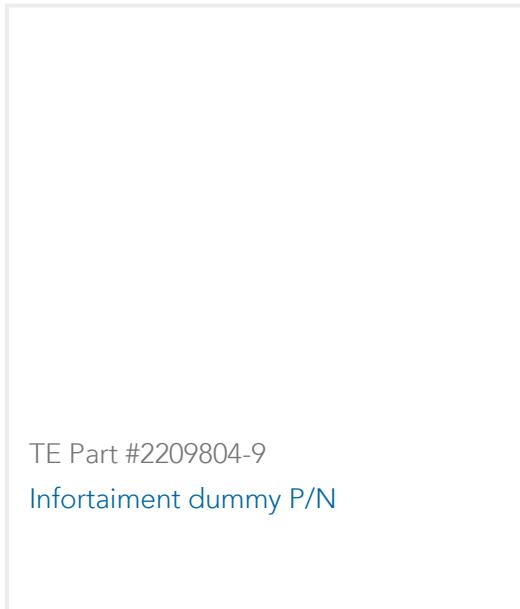
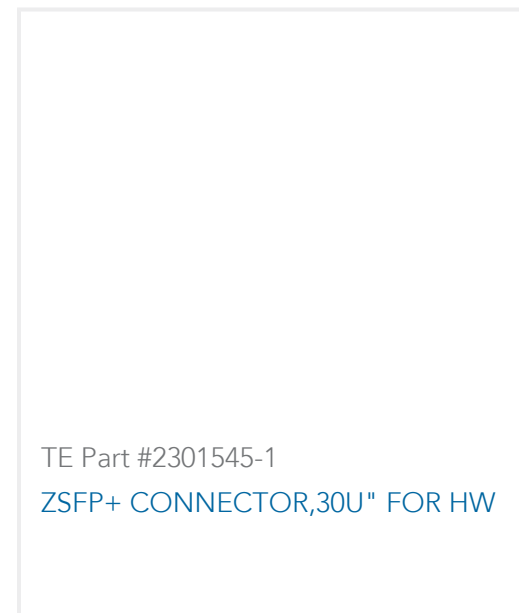
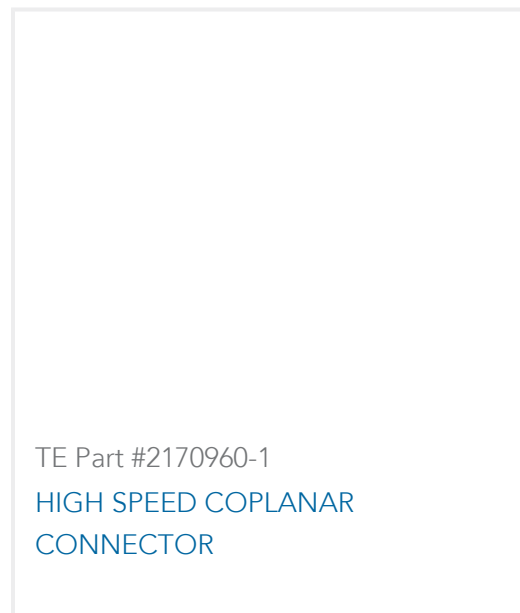
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



Customers Also Bought





Documents

Product Drawings

[CONN SEC II 15 POS 100C/L](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_8-5530843-8_F7.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-5530843-8_F7.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-5530843-8_F7.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English