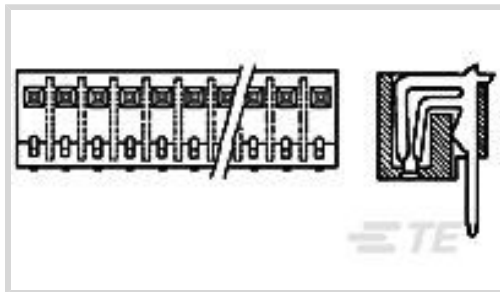# 163681-2 ✓ ACTIVE

AMP

TE Internal #: 163681-2

PCB Mount Receptacle, Vertical, Board-to-Board, 4 Position, .098 in [2.5 mm] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, Gray

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **4**

Number of Rows: **1**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	1

Body Features

Primary Product Color	Gray

Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	1.52 – 3.048 µm
Mating Tab Width	.68 mm[.026 in]
Mating Tab Thickness	.76 mm[.029 in]
Contact Shape & Form	Square

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PCB Mount Receptacle, Vertical, Board-to-Board, 4 Position, .098 in [2.5 mm]
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PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1.524 – 3.048 µm[60 – 120 µin]
Contact Type	Socket
Contact Current Rating (Max)	5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.56 mm[.022 in]
Rectangular Termination Post & Tail Width	.74 mm[.029 in]
Termination Post & Tail Length	4.3 mm[.169 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Bottom
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Crastin

Dimensions

Connector Height	7.6 mm[.3 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-1

Packaging Features

Packaging Quantity	2000
Packaging Type	Box

PCB Mount Receptacle, Vertical, Board-to-Board, 4 Position, .098 in [2.5 mm] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, Gray

Product Compliance

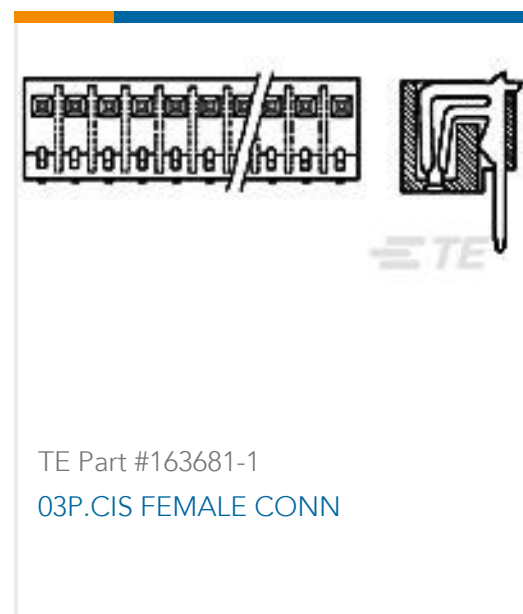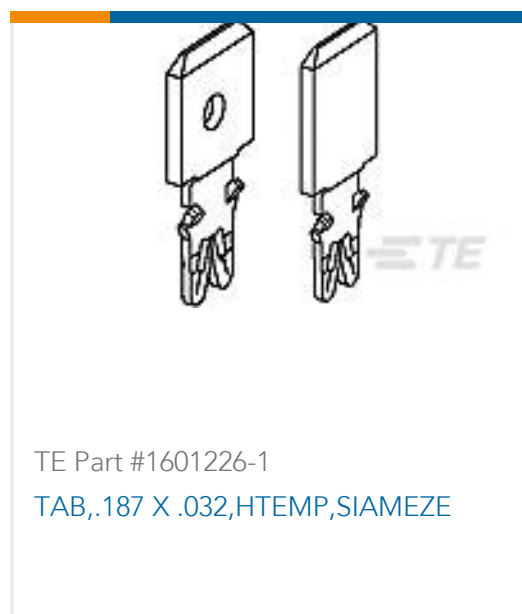For compliance documentation, visit the product page on TE.com>

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: JUL 2021 (219) SVHC > Threshold: Not Yet Reviewed
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

Customers Also Bought

TE Part #2-917542-3

Header Assembly: Wire-to-Board, 20-45A, 250-630V

TE Part #2103247-2

SPLIT HEADER ASSY, KEY B, HVA280

TE Part #1-962843-2

TAB 2.8x0.8 CONTACT CS SRC Ag

TE Part #2103321-2

3p Inner Hsg, Split Hdr, Key B, HVA280

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PCB Mount Receptacle, Vertical, Board-to-Board, 4 Position, .098 in [2.5 mm] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, Gray

TE Part #1601226-1
TAB,.187 X .032,HTEMP,SIAMEZE

TE Part #163681-1
03P.CIS FEMALE CONN

TE Part #2-1601139-2
TAB,250 X 032,MED,SMZ

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_163681-2_H_c-163681-2-h.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_163681-2_H_c-163681-2-h.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_163681-2_H_c-163681-2-h.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

CIS Crimp Snap-In Receptacle Contact

English

Product Environmental Compliance

TE Material Declaration

English