554753-1 ✔ ACTIVE

CHAMP

TE Internal #: 554753-1

50 Position D-Shaped Connector, Receptacle, Cable-to-Board, Board Mount, 2.16 mm [.085 in] Centerline, Printed Circuit Board, Signal

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Vertical, Action Pin, 2.16mm



Number of Positions: **50**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Centerline (Pitch): **2.16 mm [.085 in]**

All D-Sub Receptacle Assembly: Vertical, Action Pin, 2.16mm (10)

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

Primary Product Color	Black
Connector Profile	Standard

Contact Features

	30 µin
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3 A
Contact Options	Installed

Termination Features

	.18 in
Rectangular Termination Post & Tail Width	.66 mm[.026 in]
Rectangular Termination Post & Tail Thickness	.48 mm[.018 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Panel Attachment Style	Rear Mount
Mounting Hole Diameter	3.3 mm
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Retention	Without

Housing Features

Housing Material	Polyester
Centerline (Pitch)	2.16 mm[.085 in]

Dimensions

PCB Thickness (Recommended)	1.57 – 3.18 mm[.062 – .125 in]
Row-to-Row Spacing	4.06 mm[.16 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	20
Packaging Method	Tray

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable 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

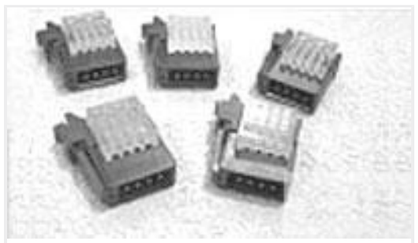


TE Part # 553444-4
PLUG ASSY,ACTION PIN,CHAMP-LOK

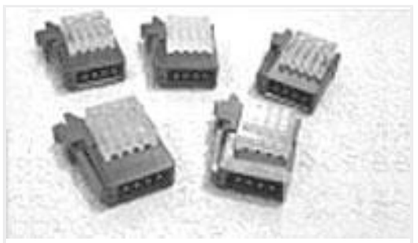


TE Part # 553443-4
ASSY RCPT,ACTION PIN,CHAMP-LOK

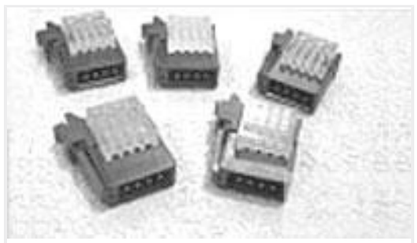
Customers Also Bought



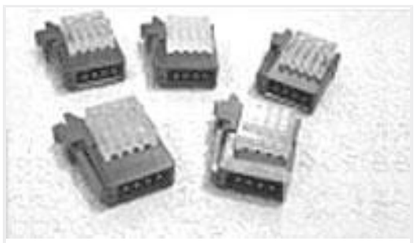
TE Part #1473562-3
RITS CONN. PLUG ASSY 3P YELLOW



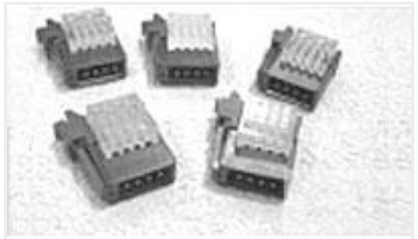
TE Part #1473562-6
RITS CONN. PLUG ASSY 6P YELLOW



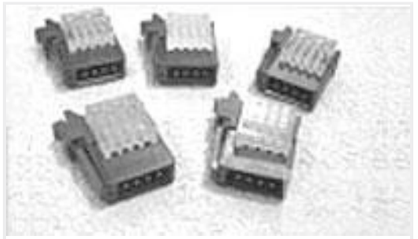
TE Part #3-1473562-3
RITS CONN. PLUG ASSY 3P ORANGE



TE Part #3-1473562-6
RITS CONN. PLUG ASSY 6P ORANGE



TE Part #4-1473562-3
RITS CONN. PLUG ASSY 3P GREEN



TE Part #4-1473562-4
RITS CONN. PLUG ASSY 4P GREEN



TE Part #5-1473571-3
RITS.JUNCTION BOX 2D 3P F/H



TE Part #5-1473574-3
RITS.JUNCTION BOX 4D 3P F/H



TE Part #1746741-3
RITS CONN. SOCKET ASSY 3P YELLOW



TE Part #1746741-6
RITS CONN. SOCKET ASSY 6P YELLOW

Documents

Product Drawings

RCPT ASSY, 50 POSN, ACTION PIN

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_554753-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_554753-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_554753-1_E.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

CHAMP Action Pin Connectors

English

Instruction Sheets

Instruction Sheet (U.S.)

English

AMP CHAMP ACTION PIN Connectors (Preloaded)

English

Instruction Sheet (U.S.)

English

AMP* CHAMP* SELF-RETAINED ACTON PIN* CONNECTORS (PRELOADED)

English

Agency Approvals

CSA Certificate

English