

5552235-1 ✓ ACTIVE

## CHAMP

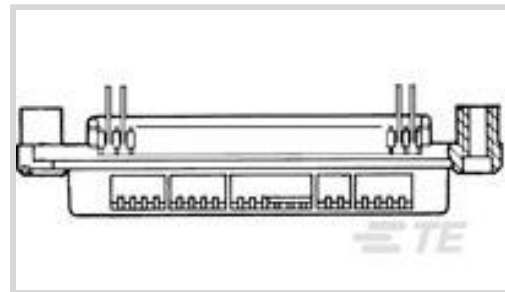
TE Internal #: 5552235-1

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 36 Position,  
2.16 mm [.085 in] Centerline, 2 Row, Standard Profile, Vertical,  
Mating Retention

[View on TE.com >](#)



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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **36**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, 2.16mm \(5\)](#)

## 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	36
Number of Rows	2
PCB Mount Orientation	Vertical

### Body Features

Primary Product Color	Black
Connector Profile	Standard

### Contact Features

	30 $\mu$ m
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze

### Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.5 mm[.019 in]
Termination Post & Tail Length	.18 mm
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Mounting Feature Material	Thermoplastic
PCB Mount Retention	Without
Mating Retention	With
Mating Retention Type	Bail Lock, Screwlocks
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

PCB Thickness (Recommended)	1.57 mm, 2.36 mm, 3.18 mm[.062 in][.093 in] [.125 in]
Row-to-Row Spacing	4.3 mm[.169 in]

### Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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### Operation/Application

Shielded	No
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	75
Packaging Method	Tray

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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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 2023  
(235)Candidate List Declared Against: JUNE  
2023 (235)

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>

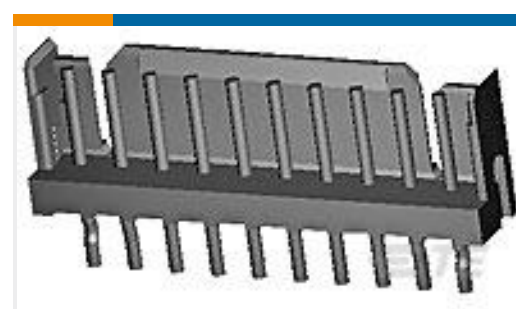
## Customers Also Bought



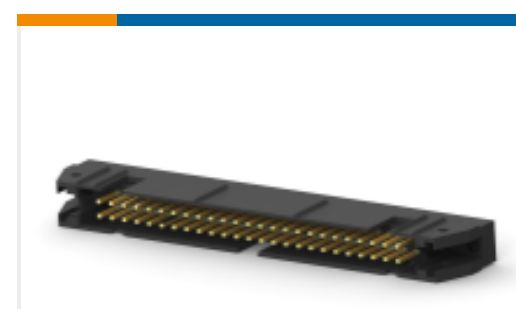
TE Part #5747845-6  
15 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #G-TPCO-033  
Analog Thermopile TO-05, FOV 88,  
NTC Ref



TE Part #1-292161-0  
CT P/HDR ASSY V 10P W/KINK NAT



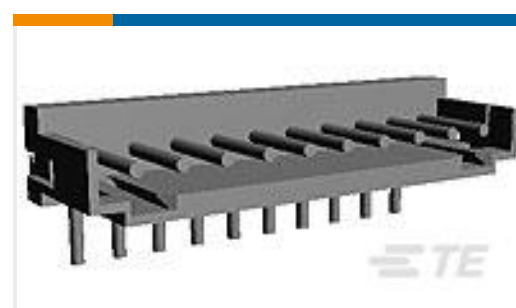
TE Part #5102159-6  
AMP-LATCH UNIVERSAL HEADERS



TE Part #825440-7  
MOD 2 PINHDR 2X07P.



TE Part #6-1879133-4  
RN 0603 4K02 0.1% 10PPM 1K RL



TE Part #292253-5  
CT CONN MT HDR ASSY H 5P NAT

## Documents

## Product Drawings

ASSY, RCPT, 36 POS, VERT MTG



English

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**CAD Files**

**3D PDF**

English

**Customer View Model**

[ENG\\_CVM\\_5552235-1\\_O.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5552235-1\\_O.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5552235-1\\_O.3d\\_stp.zip](#)

English

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**Product Specifications**

**Application Specification**

English

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**Product Environmental Compliance**

**Product Compliance**

English

**Product Compliance**

English