

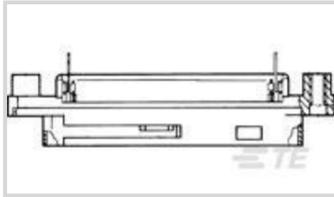
**CHAMP**

TE Internal #: 5552221-1

TE Internal Description: ASSY, PLUG, 24 POS, VERT MTG

[View on TE.com >](#)

Connectors &gt; D-Shaped Connectors

Number of Positions: **24**Connector & Housing Type: **Plug**Connector System: **Cable-to-Board**Connector Mounting Type: **Board Mount**Centerline (Pitch): **2.16 mm [ .085 in ]****Features****Product Type Features**

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

**Configuration Features**

Number of Positions	24
Number of Rows	2
PCB Mount Orientation	Vertical

**Body Features**

Primary Product Color	Black
Connector Profile	Standard

**Contact Features**

	30 $\mu$ m
Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Options	Installed

**Termination Features**

Rectangular Termination Post & Tail Width	.5 mm [.019 in]
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Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
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Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	.18 mm
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#### Mechanical Attachment

Mounting Feature Material	Thermoplastic
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Connector Mounting Type	Board Mount
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PCB Mount Retention	Without
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Mating Retention	With
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Mating Retention Type	Screwlocks
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#### Housing Features

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

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

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

Shielded	No
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Circuit Application	Signal
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#### Industry Standards

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

Packaging Quantity	90
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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
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EU ELV Directive 2000/53/EC	Compliant
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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
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2025  
(250)

Candidate List Declared Against: JAN 2024  
(240)

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

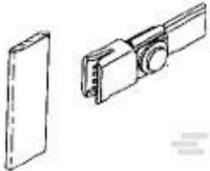
Product Compliance Disclaimer

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>

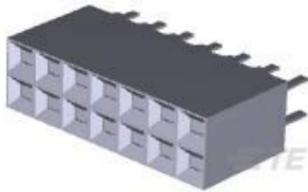
## Customers Also Bought



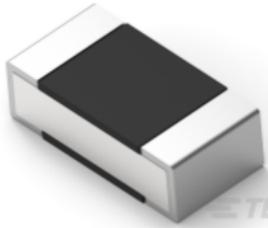
TE Part #1880982003  
RAYRIM-NR7-0-STK



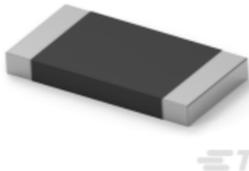
TE Part #104742-2  
PLUGGABLE BUSBAR 062F2 POWER CONNECTOR



TE Part #5-534206-7  
14 MODII VRT DR CE 100/115



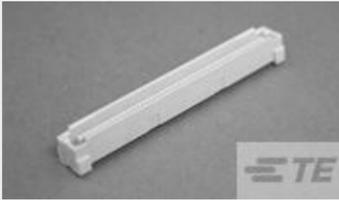
TE Part #9-2176304-0  
RP 1E 0.1W 84R5 0.1% 25PPM 5K RL



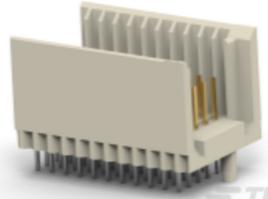
TE Part #1-2176421-2  
TLRP 2512 2.0W R003 1% 25PPM 4K RL



TE Part #2199230-4  
M.2 0.5PITCH 4.2H KEY E 15U" AU"



TE Part #1-5177986-3  
0.8FH,P06H.5,080,08/Sn,TR,SC



TE Part #CAT-472-Z12  
Hard Metric Male Connector:  
Traditional Backplane, Mezzanine,  
2mm



## Documents

### Product Drawings

[ASSY, PLUG, 24 POS, VERT MTG](#)

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_5552221-1\\_O.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5552221-1\\_O.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_5552221-1\\_O.3d\\_stp.zip](#)

English

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