# 6648234-1 ✔ ACTIVE

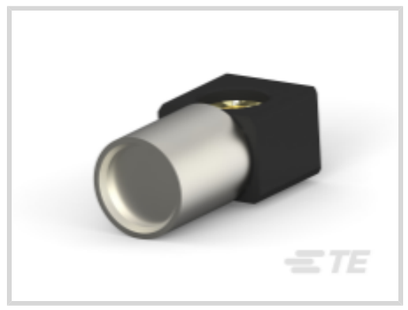
RAPID LOCK

TE Internal #: 6648234-1

1 Position, Receptacle, Connector Assembly, Crimp, Bus Bar-to-Wire, Gold (Au), UL 94V-0, 48 VAC, Wire & Cable, Power, Cable Mount (Free-Hanging)

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Termination Method to Wire & Cable: **Crimp**

Connector System: **Bus Bar-to-Wire**

Contact Mating Area Plating Material: **Gold (Au)**

## Features

### Product Type Features

| | |
|---|---|
| Connector Product Type | Connector Assembly |
| Connector & Housing Type | Receptacle |
| Connector System | Bus Bar-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 1 |
| Number of Power Positions | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 48 VDC |

### Body Features

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

### Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |

| | |
|---|---|
| Contact Layout | Circular |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Retention Within Housing | Without |
| Contact Current Rating (Max) | 250 A |
| Contact Type | Socket |
| Contact Mating Area Plating Material Thickness | .762 µm[30 µin] |

### Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |

### Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Cable Mount (Free-Hanging) |

### Housing Features

| | |
|---|---|
| Housing Material | Thermoplastic |

### Dimensions

| | |
|---|---|
| Connector Width | 16.26 mm[.64 in] |
| Connector Height | 12.45 mm[.49 in] |
| Connector Length | 32.93 mm[1.29 in] |
| Wire Size | 53.5 $mm^2$ |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

### Operation/Application

| | |
|---|---|
| Circuit Application | Power |

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Method | Box |

## 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |

| | |
|---|---|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 1766879-1
CONTACT,PIN,#2,LK



TE Part # 6648223-1
CONTACT,PIN,#2

## Customers Also Bought



TE Part #CAT-J41-DDPC
DEUTSCH DT Plug Connectors



TE Part #CAT-J41-DDRC
DEUTSCH DT Receptacle Connectors



TE Part #CAT-D48-SFT273
DEUTSCH Connector Stamped and Formed Contacts - Reel



TE Part #1-1879213-9
CPF 0402 40R2 0.1% 25PPM 1K RL

## Documents

Product Drawings
CONTACT,SKT,#0

English

## CAD Files

### 3D PDF

3D

**Customer View Model**

ENG_CVM_CVM_6648234-1_A.2d_dxf.zip

English

**Customer View Model**

ENG_CVM_CVM_6648234-1_A.3d_igs.zip

English

**Customer View Model**

ENG_CVM_CVM_6648234-1_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

### POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED

English

## Product Specifications

### Application Specification

English

## Agency Approvals

### Agency Approval Document

English