

4-2271290-0 ✓ ACTIVE

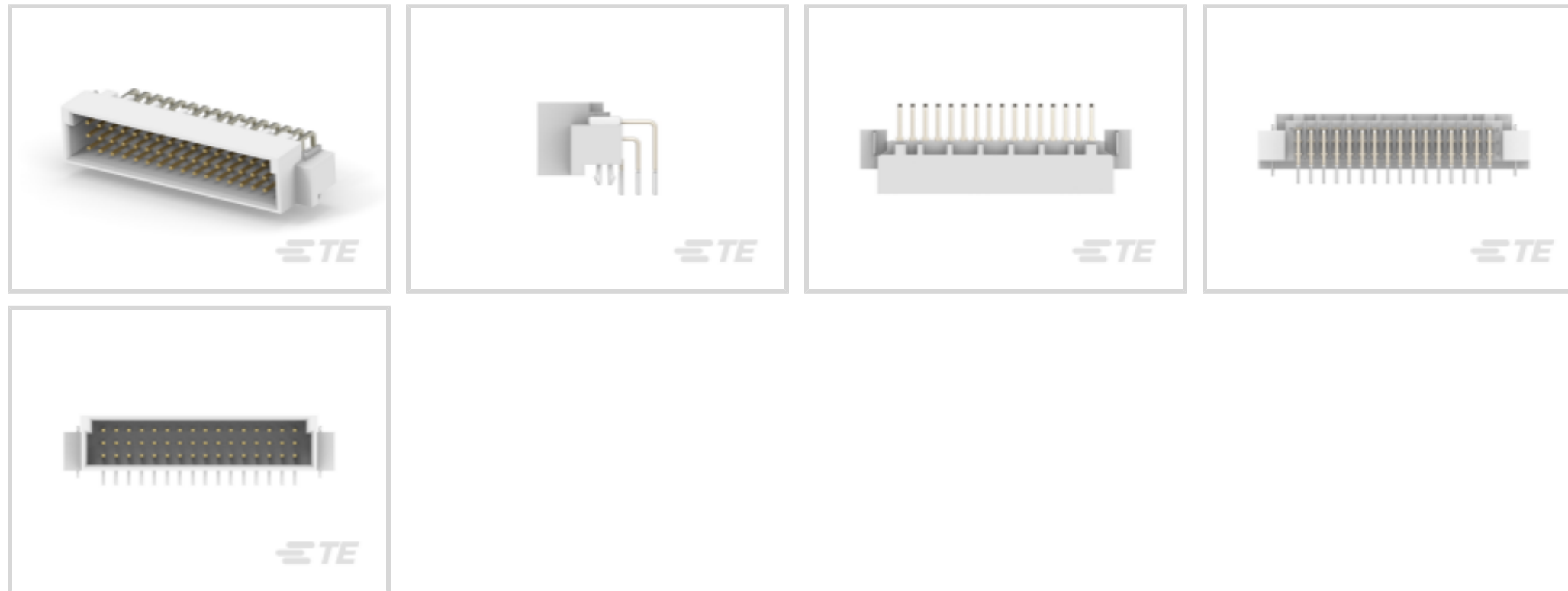
TE Internal #: 4-2271290-0

PCB Mount Header, Right Angle, Board-to-Board, 48 Position, 2.54 mm [.1 in] Centerline, Unshrouded, Gold, Through Hole - Solder, Signal, Black, Tray

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **48**

Number of Rows: **3**

Features

Product Type Features

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

Configuration Features

| | |
|------------------------------|---------------|
| PCB Mount Orientation | Right Angle |
| Number of Positions | 48 |
| Number of Rows | 3 |
| Board-to-Board Configuration | Perpendicular |

Body Features

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

Contact Features

| | |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|



| | |
|--|---|
| Contact Mating Area Plating Material Thickness | .762 μm [30 μin] |
|--|---|

| | |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

| | |
|------------------------------|-----|
| Contact Current Rating (Max) | 2 A |
|------------------------------|-----|

Termination Features

| | |
|---|------|
| Rectangular Termination Post & Tail Thickness | 2 mm |
|---|------|

| | |
|---|-----------------------|
| 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

| | |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
|--------------------|----------------|

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

Dimensions

| | |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

Usage Conditions

| | |
|-----------------------------|--|
| Operating Temperature Range | -55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$] |
|-----------------------------|--|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

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

Packaging Features

| | |
|------------------|------|
| 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 2024 (241) |
|--|--|



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

Not reviewed 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 # 8-2271084-0
CELLO,REC,48P,TH,V,FG,DIP4.57,CLIP



TE Part # 2-2271084-0
CELLO,PIN HDR,30PIN,TH,RA,GF,DIP2.5



TE Part # 4-2271084-0
CELLO,REC,48P,TH,V,FG,DIP3.0,CLIP



TE Part # 4-2271908-0
CELLO,REC,48P,TH,V,FG,DIP3.0,-



TE Part # 6-2271084-0
CELLO,REC,48P,TH,V,FG,DIP4.0,CLIP

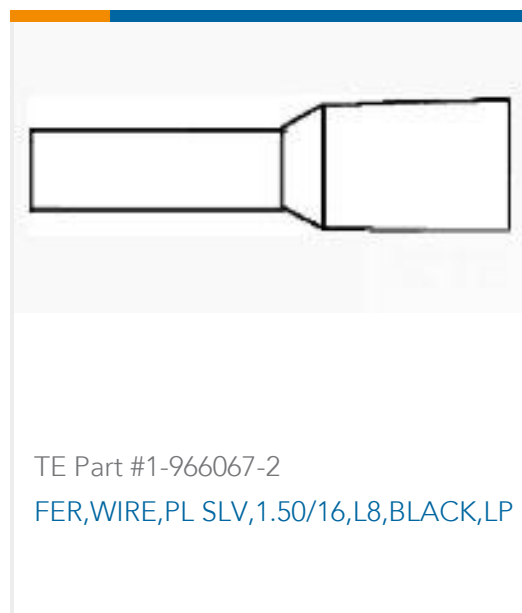


TE Part # 6-2271908-0
CELLO,REC,48P,TH,V,FG,DIP4.0,-



TE Part # 2-2271908-0
CELLO,REC,48P,TH,V,FG,DIP2.5,-

Customers Also Bought



Documents

Product Drawings

[CELLO,PIN,48P,TH,RA,FG,DIP3.0,CLIP](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-2271290-0_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2271290-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2271290-0_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English