

5-216093-0 ✓ ACTIVE

AMP-LATCH

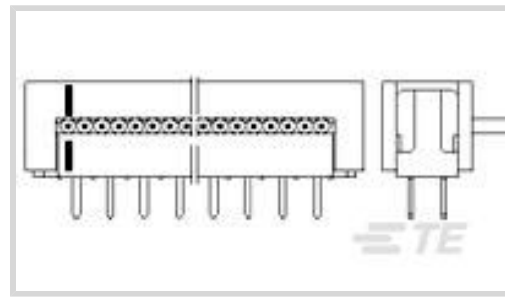
TE Internal #: 5-216093-0

Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Ribbon Cable Connectors

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



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

Number of Positions: **50**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Body Features

| | |
|-----------------------|------|
| Primary Product Color | Gray |
|-----------------------|------|

Contact Features

| | |
|---|---------------------------------|
| PCB Contact Termination Area Plating Material Thickness | 3 – 5.1 µm[118.11 – 200.79 µin] |
|---|---------------------------------|

| | |
|--------------------------------------|-----|
| Contact Mating Area Plating Material | Tin |
|--------------------------------------|-----|

| | |
|---|---------------------------------|
| Wire Contact Termination Area Plating Thickness | 3 – 5.1 µm[118.11 – 200.79 µin] |
|---|---------------------------------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|--|-----|
| Wire Contact Termination Area Plating Material | Tin |
|--|-----|

| | |
|------------------------------|-----|
| Contact Current Rating (Max) | 1 A |
|------------------------------|-----|

Termination Features

| | |
|---|---------------|
| Rectangular Termination Post & Tail Width | .5 mm[.02 in] |
|---|---------------|

| | |
|---|-----------------|
| Rectangular Termination Post & Tail Thickness | .32 mm[.013 in] |
|---|-----------------|

| | |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

| | |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Product Type Features

| | |
|------------------------|--------------------|
| Connector Product Type | Connector Assembly |
|------------------------|--------------------|

| | |
|------------------|---------------|
| Connector System | Wire-to-Board |
|------------------|---------------|

| | |
|--------------------------|------|
| Connector & Housing Type | Plug |
|--------------------------|------|

| | |
|-----------------------------------|-------------------------------------|
| Connector & Contact Terminates To | Printed Circuit Board, Wire & Cable |
|-----------------------------------|-------------------------------------|

Configuration Features



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

Mechanical Attachment

| | |
|-------------------------|-------------|
| PCB Mount Retention | Without |
| Mating Retention | Without |
| Connector Mounting Type | Board Mount |

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

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

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

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: JUNE 2024 (241) 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

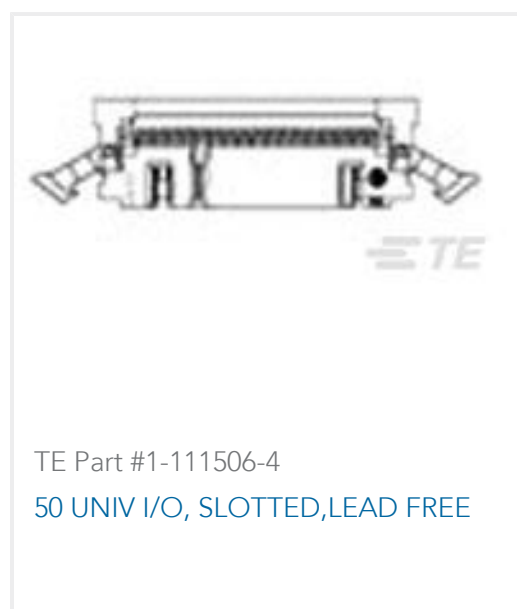


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

Compatible Parts



Customers Also Bought





Documents

Product Drawings

[AMP-LATCH PRE-ASSY DIL WITHO](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-216093-0_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-216093-0_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-216093-0_B.3d_stp.zip](#)

English

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Product Specifications

[Application of AMP-LATCH, Ribbon Cable Connectors](#)

English

[Application Specification](#)

English