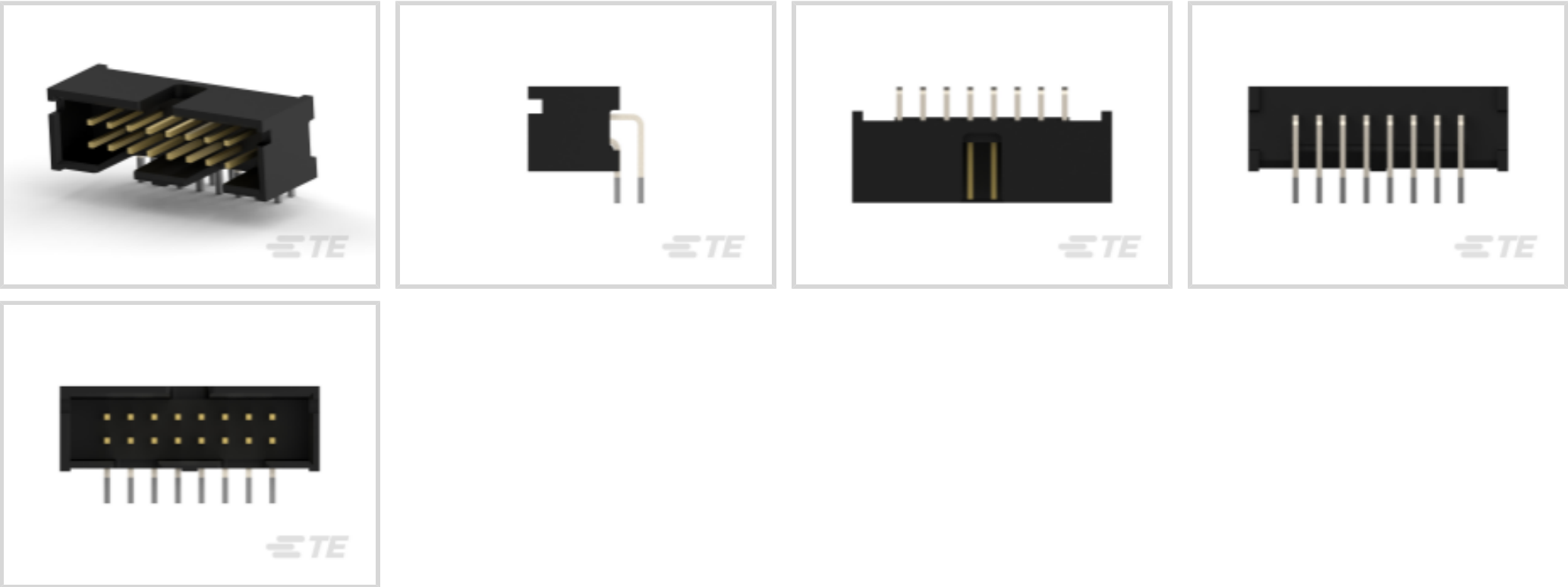




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Board-to-Board**
Number of Positions: **16**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Orientation: **Right Angle**

Features

Product Type Features

| | |
|------------------------------------|-----------------------|
| Connector Product Type | Connector Assembly |
| Ribbon Cable Connector Header Type | Pin Header |
| Connector System | Board-to-Board |
| Connector & Housing Type | Receptacle |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|-------------|
| Number of Positions | 16 |
| PCB Mount Orientation | Right Angle |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
|-----------------------|---------|

Body Features

| | |
|-----------------------|-------|
| Daisy Chain | With |
| Primary Product Color | Black |



| | |
|-------------------|-----|
| Connector Profile | Low |
|-------------------|-----|

Contact Features

| | |
|---|---|
| | 30 µin |
| Contact Underplating Material | Nickel |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin] |
| Contact Mating Area Plating Material | Gold (Au), Gold Flash, Gold Flash over Palladium Nickel |
| Contact Base Material | Copper Alloy |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Type | Pin |
| Contact Current Rating (Max) | 1 A |

Termination Features

| | |
|--|-----------------------|
| Termination Post & Tail Length | 3.43 mm[.135 in] |
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|-------------------------|-----------------------------|
| Panel Mount Feature | Without |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| PCB Mount Retention | Without |
| Mating Alignment Type | Center, Dual Polarizing Bar |
| Mating Retention | Without |
| Connector Mounting Type | Board Mount |

Housing Features

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

Dimensions

| | |
|------------------------|------------------|
| Shrouded End Dimension | 3.81 mm[.15 in] |
| Connector Height | 9.77 mm[.38 in] |
| Connector Length | 27.94 mm[1.1 in] |



Row-to-Row Spacing

2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

| | |
|------------------------|---------------|
| Solder Process Feature | Solder Dipped |
| Circuit Application | Signal |

Industry Standards

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 90 |
| Packaging Method | Tube |

Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Not lead free process capable |

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 # 487223-3
016 HOUSING FFC RCPT 100CL DR

Customers Also Bought

TE Part #102128-2
MOD V RECP LP

TE Part #103311-1
010 LOPRO HDR RA 30DP

TE Part #103311-5
020 LOPRO HDR RA 30DP

TE Part #1-1437559-1
MTG106D=(MSTG) SW TOG MUSTANG

TE Part #1-1571999-6
ADP0604=PIANO DIP SWITCH

TE Part #8-1614884-2
CPF 0805 8K2 0.1% 25PPM 1K RL

TE Part #1622775-1
LR2 1% 68R

TE Part #4-1676915-0
YR1 0.1% 90R9

TE Part #5103310-2
A/L LOW PRO HDR 14P RA BLACK

TE Part #9-176140-0
1.25FP,P30,DS,B,N,BG,5.00,6.90

Documents

Product Drawings
016 LOPRO HDR RA 30DP
English



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_103311-3_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_103311-3_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_103311-3_N.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Product Specification

English

Agency Approvals

Agency Approval Document

English