# 104128-1 ✔ ACTIVE

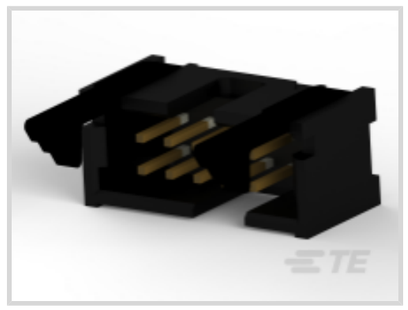
AMP-LATCH

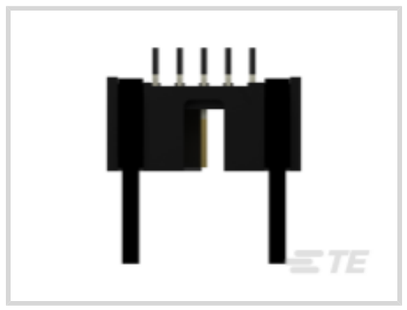
TE Internal #: 104128-1

Ribbon Cable Connectors, Board-to-Board, 10 Position, 2.54mm [.1in] Centerline, Vertical, Through Hole - Solder, Row-to-Row Spacing 2.54 mm [.1 in]

View on TE.com >

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





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

Number of Positions: **10**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 10 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Daisy Chain | With |

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

## Contact Features

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

## Termination Features

| | |
|---|---|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Housing Material | Nylon - GF |
| Housing Color | Black |
| Centerline (Pitch) | 2.54 mm[.1 in] |

## Dimensions

| | |
|---|---|
| Shrouded End Dimension | 3.81 mm[.15 in] |
| Connector Length | 20.32 mm[.8 in] |

| | |
|---|---|
| Connector Height | 9.77 mm[.38 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 | 120 |
| Packaging Method | Tray |

## Product Compliance

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

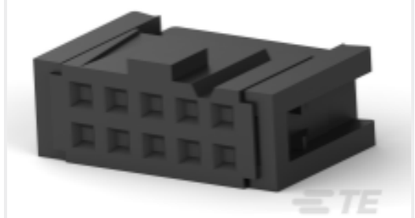
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Not Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2020 (205)<br>Candidate List Declared Against: JAN 2020 (205)<br>Pb (13% in Component Part) |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2020 (205)<br>Candidate List Declared Against: JAN 2020 (205) |
| 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

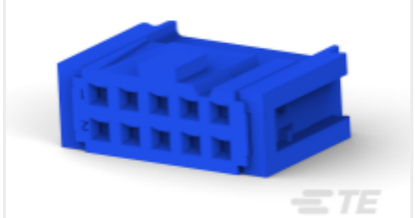
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



TE Model / Part # 1-1658528-1
636-1030LF=FEM SKT BLADE POL 1



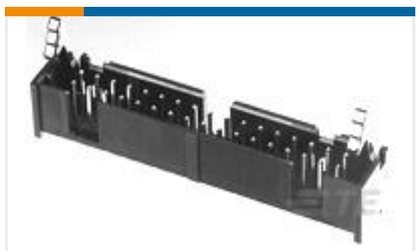
TE Model / Part # 1658527-3
622-1030LF FEM SOCKT,LEAD FREE

TE Model / Part # 1658527-4
622-1041LF FEM SOCKT,LEAD FREE

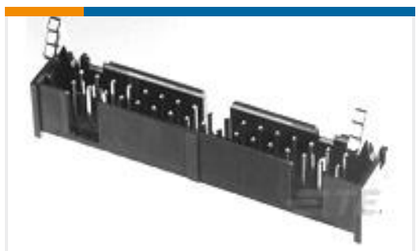
TE Model / Part # 1658528-2
636-1041LF FEM SOCKT,LEAD FREE

## Customers Also Bought

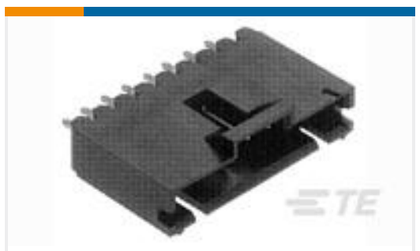
TE Model / Part #747846-4
25 MSFL RCPT RA 318 (IN,FM,BL)



TE Model / Part #104128-2
014 LOPRO HDR SP 30DP LATCH



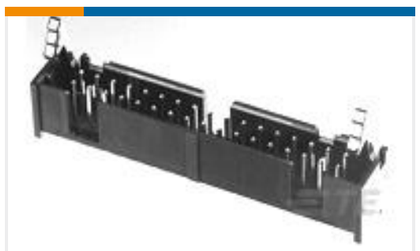
TE Model / Part #104128-4
020 LOPRO HDR SP 30DP LATCH



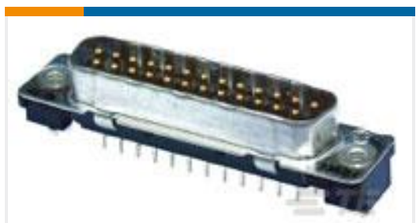
TE Model / Part #103638-5
06 MTE HDR SRST LATCH .100CL

TE Model / Part #103670-1
02 MTE HDR SRST LATCH W/HLDWN

TE Model / Part #640388-8
08P MTA156 HDR ASSY RN STR F/L



TE Model / Part #104128-5
026 LOPRO HDR SP 30DP LATCH



TE Model / Part #2-747704-0
25 PLUG SP/FMS BRDLK

TE Model / Part #103673-2
03 MTE HDR SRRA LATCH W/HLDWN

TE Model / Part #640900-3
05P UMNL PIN HDR ASSY 94VO LF

# Documents

## Product Drawings

010 LOPRO HDR SP 30DP LATCH

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_104128-1_J.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_104128-1_J.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_104128-1_J.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

## Product Environmental Compliance

MD_104128-1_06182014619_dmtec

English

MD_104128-1_06182014619_dmtec

English

## Agency Approvals

Agency Approval Document

English