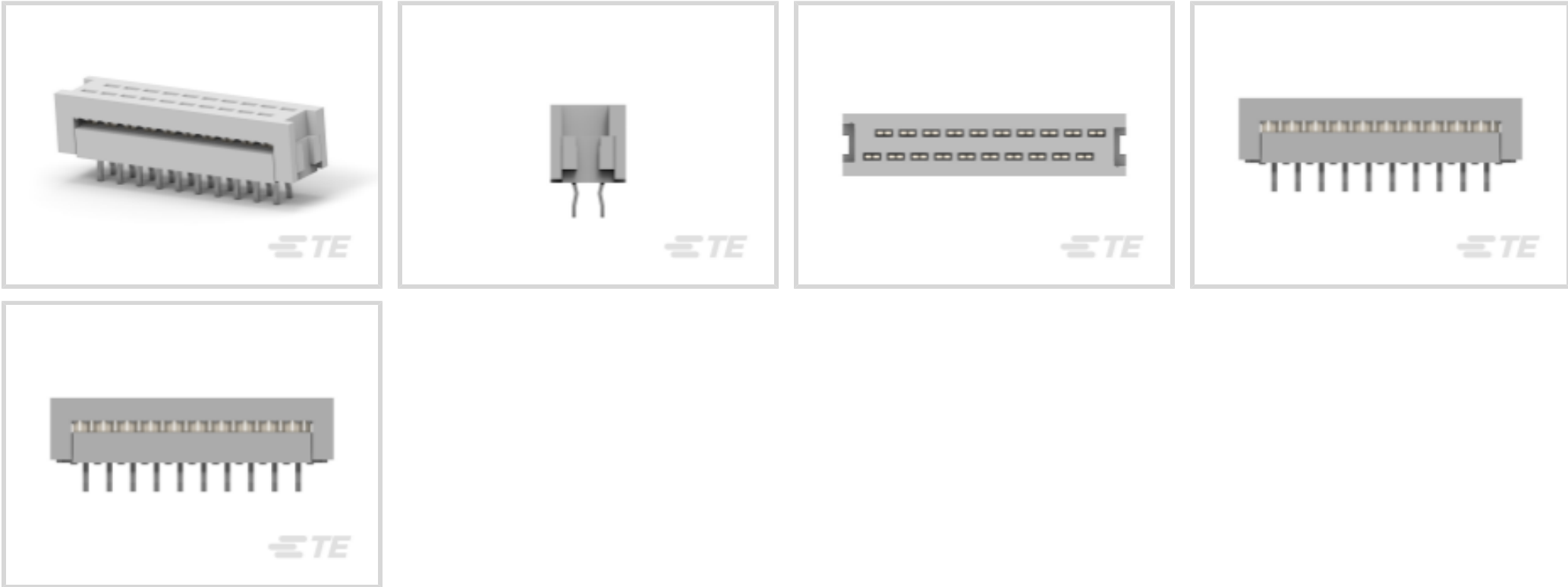




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Board**
Number of Positions: **20**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **With**
PCB Mount Retention Type: **Boardlock**

Features

Product Type Features

| | |
|------------------------------------|-------------------------------------|
| Ribbon Cable Connector Header Type | Shrouded |
| 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 | 20 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

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 (Sn) |



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

Mechanical Attachment

| | |
|--------------------------|-------------|
| PCB Mount Retention | With |
| PCB Mount Retention Type | Boardlock |
| 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 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$] |
|-----------------------------|--------------------------------------------------------------|

Operation/Application

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

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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



TE Part # 1658525-9

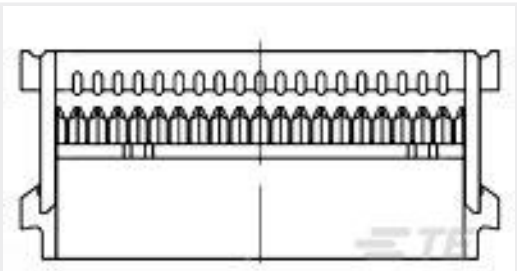
[622-2053LF, PCB IDC, LEAD FREE](#)

Also in the Series | AMP-LATCH DIL-PLUG



[Ribbon Cable Connectors\(27\)](#)

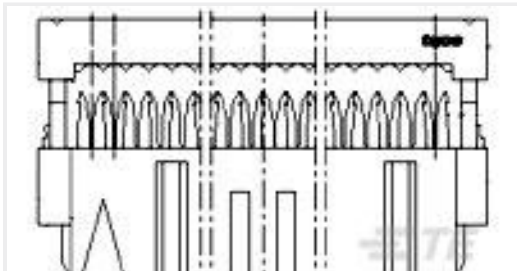
Customers Also Bought



TE Part #2-1658526-0
609-4030LF FEM SOCKET, LEAD FREE



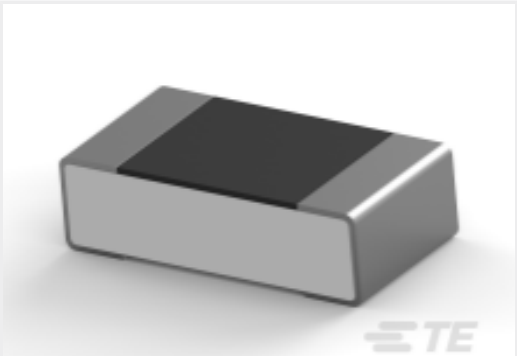
TE Part #1-1393219-0
PE014024



TE Part #2-215911-0
20 WAY GREY MK II RECP



TE Part #3-1676966-5
SMW2 2R7 5%



TE Part #2176370-8
RQ 0603 511R 0.1% 10PPM 5K RL



TE Part #2-1419104-1
T9AS1D22-24



TE Part #2-2176056-7
RLP73K 2B R12 5% 5K RL



TE Part #214919-E
MSPPM 5 M SMDTHR M10 * A V 137 094 * E00



TE Part #5039274019
DR-25-1/4-0-SP



TE Part #4-2176347-5
CRGCQ 2010 47K 1%

Documents

Product Drawings

AMP LATCH D/P ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-216791-0_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-216791-0_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-216791-0_B.3d_stp.zip

English

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

Product Specifications



Application of AMP-LATCH, Ribbon Cable Connectors

English

Application Specification

English

Agency Approvals

UL Report

English