



THE DATASHEET OF
1-84534-2





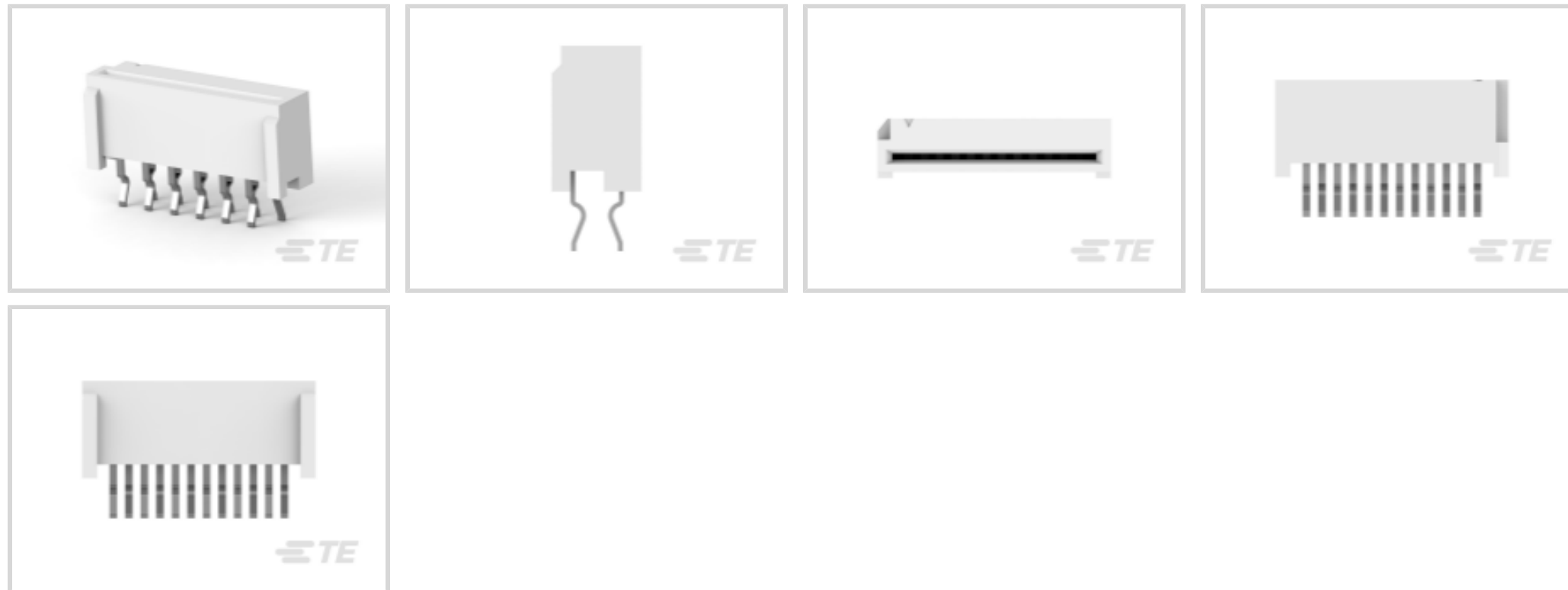
FPC

TE Internal #: 1-84534-2

1.25 mm [.049 in] Centerline, Non ZIF, Vertical, Through Hole - Solder, Tin (Sn), 12 Position, FPC Connectors

[View on TE.com >](#)

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



Centerline (Pitch): 1.25 mm [.049 in]

Insertion Force Type: **Non ZIF**

PCB Mount Orientation: **Vertical**

Termination Method to PCB: **Through Hole - Solder**

Contact Mating Area Plating Material: **Tin (Sn)**

Features

Product Type Features

| | |
|-----------------------------------|--------------------------------|
| Connector & Contact Terminates To | Flexible Printed Circuit (FPC) |
| Connector Product Type | Connector Assembly |
| Connector System | Flex-to-Board |
| PCB Connector Type | PCB Mount Receptacle |
| Insertion Force Type | Non ZIF |

Configuration Features

| | |
|-----------------------------------|----------|
| Compatible With Wire & Cable Type | FFC, FPC |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |
| Number of Positions | 12 |

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 50 VAC |
|-------------------|--------|

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | White |
|-----------------------|-------|

Contact Features

| | |
|---|--|
| PCB Contact Termination Area Plating Material Finish | Bright |
| Contact Mating Area Plating Material Thickness | .8 μm [31.49 μin] |
| Contact Current Rating (Max) | 1 A |
| PCB Contact Termination Area Plating Material Thickness | .8 μm [31.49 μin] |
| Contact Shape & Form | Single Beam |
| Contact Layout | Staggered Type A |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Type | Socket |
| Contact Mating Area Plating Material Finish | Bright |
| Contact Mating Area Plating Material | Tin (Sn) |

Termination Features

| | |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.2 mm[.126 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|---------------------|
| Connector Mounting Type | Board Mount |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Kinked Solder Tails |
| Mating Alignment | With |
| PCB Mount Alignment | With |

Housing Features

| | |
|--------------------|------------------|
| Housing Material | PBT GF |
| Centerline (Pitch) | 1.25 mm[.049 in] |

Dimensions

| | |
|------------------------------|-------------------|
| Accepts Flex Cable Thickness | .3 mm[.012 in] |
| Connector Width | 4.8 mm[.189 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height | 7.8 mm[.307 in] |
| Connector Length | 18.75 mm[.738 in] |

Usage Conditions

| | |
|-----------------------------|---|
| Operating Temperature Range | -40 – 85 $^{\circ}\text{C}$ [-40 – 185 $^{\circ}\text{F}$] |
|-----------------------------|---|



Operation/Application

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

Identification Marking

| | |
|--------------------------------|------|
| Circuit Identification Feature | With |
|--------------------------------|------|

Packaging Features

| | |
|--------------------|------------------|
| Packaging Quantity | 170 |
| Packaging Method | Box & Tray, 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 | 有害物质含量符合标准要求 No 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) 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 # 487925-9
12 ZIF LINE ASSY .100C/L



TE Part # 487576-4
12 ZIF LINE 50 ASSY



TE Part # 1-84533-2
1.25MM FFC POST PLATED H 12P

Customers Also Bought



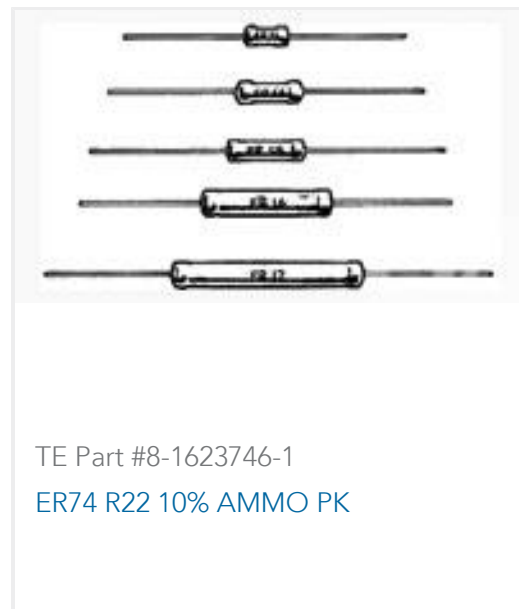
TE Part #5-103168-8
20 MODII HDR DRST SHRD .100CL



TE Part #170361-1
UNIV M-N-L SOC. 26-22 AWG



TE Part #1-1437624-0
PKA50B1/4=KNOB PLASTIC 1/4" SH



TE Part #8-1623746-1
ER74 R22 10% AMMO PK



TE Part #1623930-5
CFR25 5% 10R



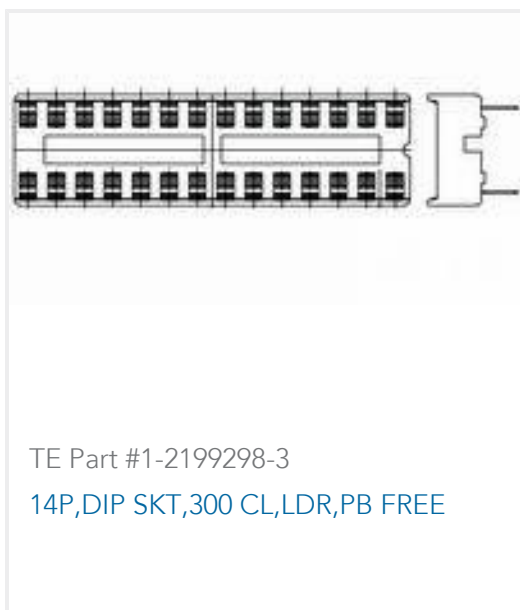
TE Part #3-1623931-4
CFR25 5% 470R



TE Part #3-1623931-8
CFR25 5% 4K7



TE Part #6-2176329-1
CRGP 1210 1M0 1%



TE Part #1-2199298-3
14P,DIP SKT,300 CL,LDR,PB FREE



TE Part #5650889-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-

Documents

Product Drawings

[1.25MM FFC POST PLATED V 12P](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_1-84534-2_E.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_1-84534-2_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-84534-2_E.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773959-7-FPC-Connectors-CN](#)

English

[FPC Connector Family](#)

English

Product Specifications

[Product Specification](#)

English

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 [TE Connectivity](#) Information

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