

1-111382-6  ACTIVE

AMP-LATCH

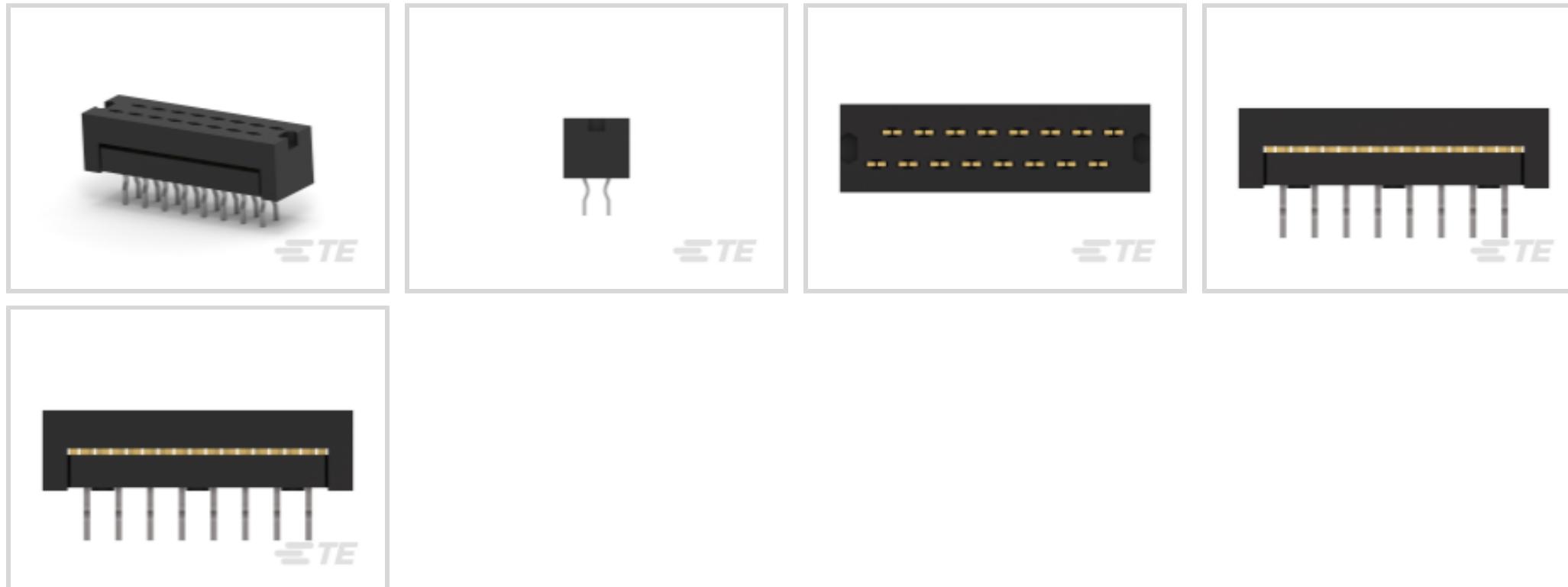
TE Internal #: 1-111382-6

Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Low Profile, 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: **16**

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

PCB Mount Retention: **With**

PCB Mount Retention Type: **Kinked Legs**

Features

Electrical Characteristics

Operating Voltage	250 VAC
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Insulation Resistance	5000 MΩ
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Industry Standards

Compatible With Agency/Standards Products	UL, CSA
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UL Rating	Recognized
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UL Flammability Rating	UL 94V-0
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Compatible With Approved Standards Products	UL E28476, CSA LR7189
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Packaging Features

Packaging Quantity	50
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Packaging Method	Tube, Box & Tube
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Operation/Application

Solder Process Feature	Board Standoff
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Circuit Application	Signal
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 μm [100 μin]
Wire Contact Termination Area Plating Material	Gold
Contact Shape & Form	Tuning Fork
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μm [100 – 200 μin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Thickness	.127 μm [5 μin]
Contact Type	Pin
Contact Current Rating (Max)	1 A

Body Features

Daisy Chain	Without
Primary Product Color	Black
Connector Profile	Low

Dimensions

Compatible Insulation Diameter Range	.81 – 1.07 mm[.032 – .042 in]
Connector Width	7.06 mm[.278 in]
Wire Size	30 – 26 AWG
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
Connector Height	6.43 mm[.253 in]
Connector Length	24.89 mm[.98 in]
Row-to-Row Spacing	2 mm[.1 in]

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.019 in]
Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Termination Method to Wire & Cable	Insulation Displacement (IDC)
Termination Post & Tail Length	3.96 mm[.156 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
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Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Legs
Mating Retention	Without
Connector Mounting Type	Board Mount

Product Type Features

Connector Product Type	Connector Assembly
Ribbon Cable Connector Header Type	Shrouded
Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable

Configuration Features

Number of Positions	16
PCB Mount Orientation	Vertical
Number of Rows	2

Housing Features

Centerline (Pitch)	2.54 mm [.1 in]
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Usage Conditions

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



TE Part # 1658525-8
622-1653LF, PCB IDC, LEAD FREE

Customers Also Bought



TE Part #1462042-8
IMC03GR=IM RELAY 140mW 5V 1CO



TE Part #5227161-6
RTANG JK W/MTG PINS, BNC PCB



TE Part #2-34541-1
PIDG SPD 22-16 COMM 22-18MIL 6



TE Part #2227303-1
CAGE ASSEMBLY, SFP, .140 SOLDE



TE Part #3-1462039-7
IM07DGR=IM RELAY 200mW 24V



TE Part #2-520193-2
ULTRA-FAST 187 ASY REC 22-18 TPBR



TE Part #1-1825138-5
A201P3ZQ04



TE Part #4-1825136-4
A101SYCB04



Documents

Product Drawings

016 DIP PLUG 100CL TIN KK

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-111382-6_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-111382-6_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-111382-6_N.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

Ribbon Cable Interconnect Solutions

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English