

1-111382-6 ✓ ACTIVE



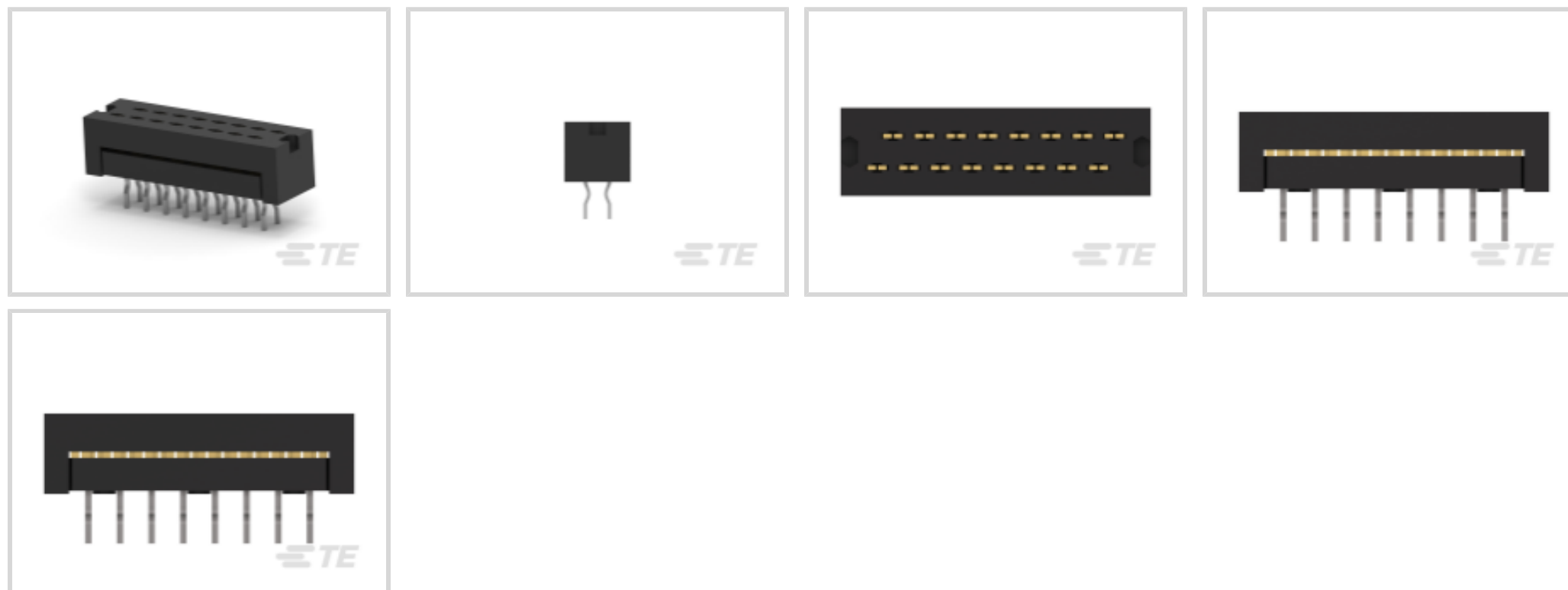
### AMP-LATCH

TE Internal #: 1-111382-6

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

[View on TE.com >](https://www.te.com)

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

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

#### Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

#### Body Features

Daisy Chain	Without
-------------	---------



Primary Product Color	Black
-----------------------	-------

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

### Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
---	-------------------------------

Contact Layout	Inline
----------------	--------

Contact Type	Pin
--------------	-----

Wire Contact Termination Area Plating Thickness	.127 µm[5 µin]
---	----------------

Wire Contact Termination Area Plating Material	Gold
--	------

Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
--	------------------

PCB Contact Termination Area Plating Material Finish	Matte
--	-------

Contact Shape & Form	Tuning Fork
----------------------	-------------

PCB Contact Termination Area Plating Material	Tin
---	-----

Contact Base Material	Phosphor Bronze
-----------------------	-----------------

Contact Current Rating (Max)	1 A
------------------------------	-----

### Termination Features

Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
---	-----------------

Rectangular Termination Post & Tail Width	.5 mm[.019 in]
---	----------------

Termination Post & Tail Length	3.96 mm[.156 in]
--------------------------------	------------------

Termination Method to Wire & Cable	Insulation Displacement (IDC)
------------------------------------	-------------------------------

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

### Mechanical Attachment

Mating Alignment	Without
------------------	---------

PCB Mount Alignment	Without
---------------------	---------

Panel Mount Feature	Without
---------------------	---------

PCB Mount Retention	With
---------------------	------

PCB Mount Retention Type	Kinked Legs
--------------------------	-------------

Mating Retention	Without
------------------	---------

Connector Mounting Type	Board Mount
-------------------------	-------------

### Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
--------------------	----------------

### Dimensions

Connector Length	24.89 mm[.98 in]
------------------	------------------



Connector Height	6.43 mm[.253 in]
Connector Width	7.06 mm[.278 in]
Wire Size	.051 – .15 mm²
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
Compatible Insulation Diameter Range	.81 – 1.07 mm[.032 – .042 in]
Row-to-Row Spacing	2 mm[.1 in]

**Usage Conditions**

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

**Operation/Application**

Solder Process Feature	Board Standoff
Circuit Application	Signal

**Industry Standards**

UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

**Packaging Features**

Packaging Quantity	50
Packaging Method	Box & Tube, Tube

**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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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



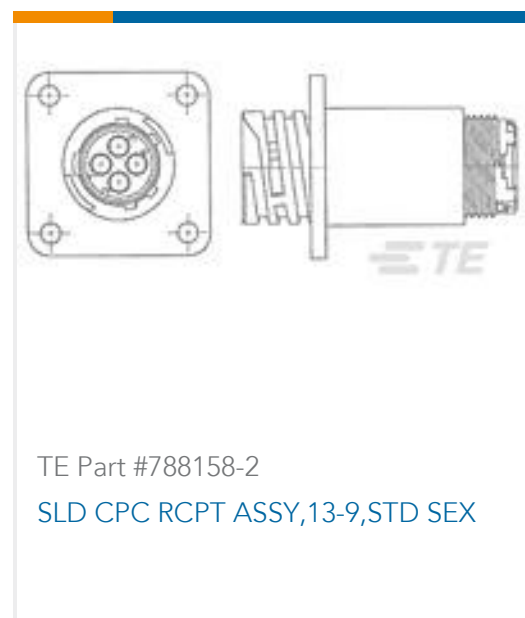
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

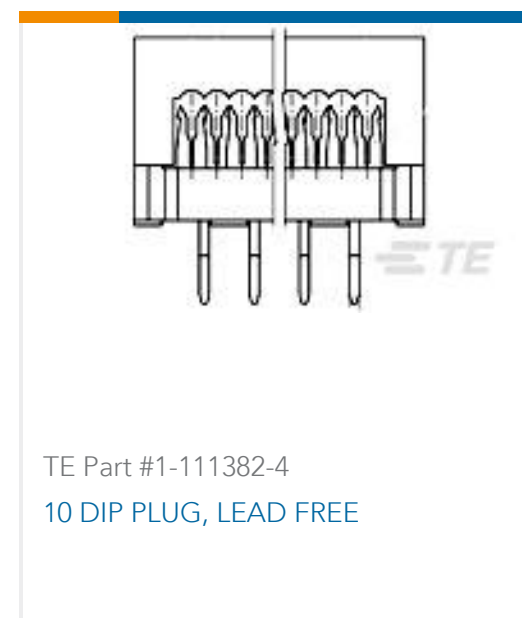
## Customers Also Bought



TE Part #788158-2  
SLD CPC RCPT ASSY,13-9,STD SEX



TE Part #5554434-1  
EMI RCPT ASSY,24 POSN,SHLD



TE Part #1-111382-4  
10 DIP PLUG, LEAD FREE



TE Part #3-520406-2  
ULTRA-FAST 250 ASY REC 16-14 AWG TPBR



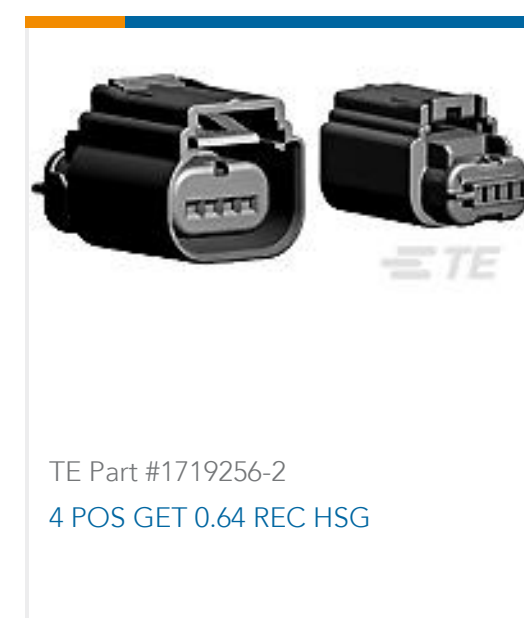
TE Part #1-66359-5  
III+ PIN, 18-14,TIN,STRIP



TE Part #2-746610-3  
024 DIP PLUG 100CL TIN



TE Part #2328702-4  
4PIN 0.5MMP FPC CONNECTOR, BACK FLIP LOCK



TE Part #1719256-2  
4 POS GET 0.64 REC HSG



## 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