

100 RCPT SYSTEM 50, LEAD FREE

✓ ACTIVE

AMP-LATCH

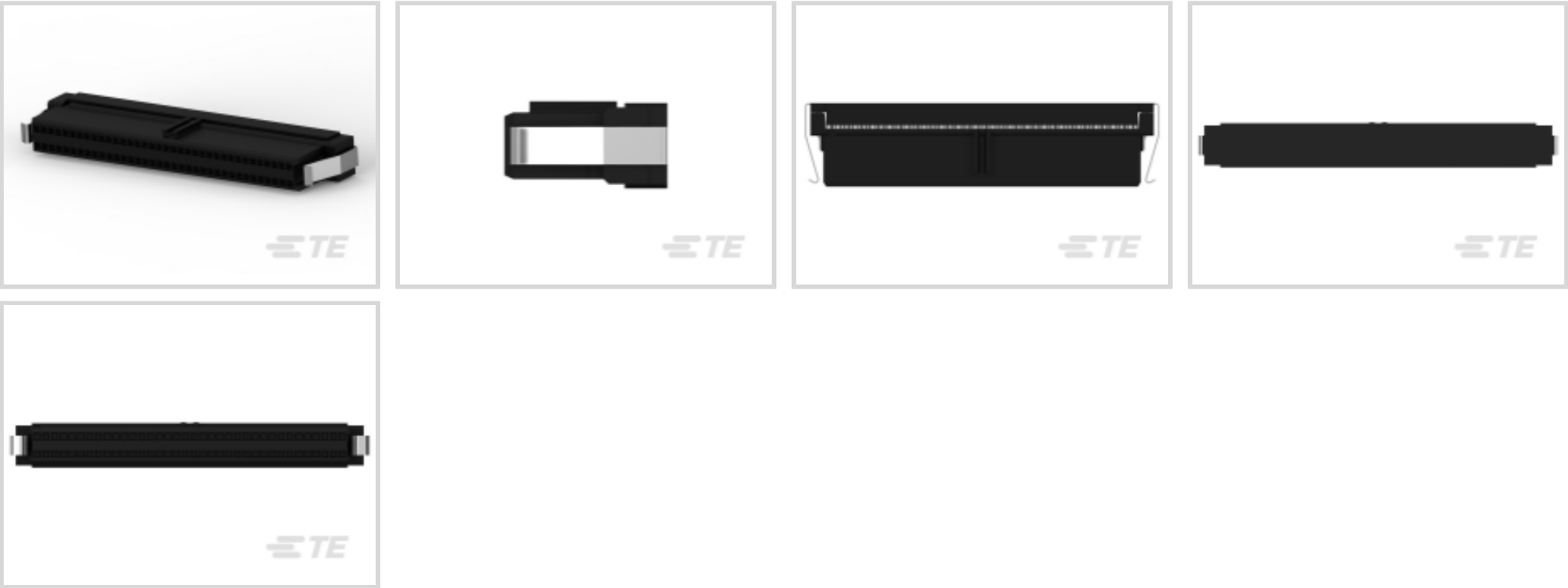
TE Part # 2-111196-4

TE Internal #: 2-111196-4

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



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

Number of Positions: **100**

Centerline (Pitch): **1.27 mm [.05 in]**

Termination Method to Wire & Cable: **Insulation Displacement Crimp (IDC)**

Row-to-Row Spacing: **2.54 mm [.1 in]**

Features

Product Type Features

Product Type	Connector
Connector Type	Connector Assembly
Wire/Cable Type	Ribbon Cable
Connector System	Cable-to-Board
Row-to-Row Spacing	2.54 mm[.1 in]
Connector Style	Receptacle
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	100
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features



Cover Material	Polyester
Latch Material	Stainless Steel

Contact Features

Contact Termination Area Plating Material	Tin
Contact Transmits (Typical)	Signal (Data)
Contact Mating Area Plating Thickness	.762 μm[30 μin]
Contact Termination Area Plating Thickness	100 – 200 μm[2.54 – 5.08 μin]
Contact Layout	Matrix
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)
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Mechanical Attachment

Mating Retention Type	Latch
Polarization	With
Mating Retention	With
Mating Alignment	With
Panel Mount Feature	Without
Mating Alignment Type	Polarization
Mating Connector Lock	With
Mating Connector Lock Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Housing Color	Black
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Length	70.104 mm[2.76 in]
Width	6.45 mm[.254 in]
Height	12.32 mm[.485 in]



Usage Conditions

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

Circuit Application	Signal
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Industry Standards

CSA File Number	LR 7189
UL File Number	E28476
UL Rating	Recognized
Agency/Standard	CSA, UL
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	20
Packaging Method	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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JUN 2018 (191)
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

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

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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

 <p>TE Part # 5-147377-8 100 SYS50 SMT HDRDR SHD SN</p>	 <p>TE Part # 5-104477-7 100 SYSTEM 50 HDR DRRA SHRD SN</p>	 <p>TE Part # 6-104549-0 100 SYS50 S/M HDR DRST SHRDSN</p>	 <p>TE Part # 6-104068-7 100 SYSTEM 50 HDR DRST SHRD</p>
 <p>TE Part # 6-104069-7 100 sys 50 hdr drra shrd sn</p>			

Customers Also Bought

 <p>TE Part #1-111196-6 100 RCPT SYSTEM 50 30 DPLX</p>	 <p>TE Part #6-104069-7 100 sys 50 hdr drra shrd sn</p>	 <p>TE Part #1658642-1 HDP-20,PLUG,SIZE 1, 9 POSN,CLI</p>	 <p>TE Part #2-747579-7 SHLDING FERRULE,PLTD TIN,BULK</p>
 <p>TE Part #3-111196-3 80 RCPT SYSTEM 50 30 DPLX</p>	 <p>TE Part #3-747579-4 SHLDNG FERRULE, PLTD, BULK PKG</p>	 <p>TE Part #2-111196-2 60 RCPT SYSTEM 50, LEAD FREE</p>	 <p>TE Part #3-747579-0 SHLDNG FERRULE, PLTD, BULK PKG</p>

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TE Part #6-104068-7
100 SYSTEM 50 HDR DRST
SHRD

TE Part #6-104549-0
100 SYS50 S/M HDR DRST
SHRDSN

Documents

Product Drawings

100 RCPT SYSTEM 50, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-111196-4_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-111196-4_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-111196-4_S.3d_stp.zip

English

Datasheets & Catalog Pages

Ribbon Cable Interconnect Solutions

English

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

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