2-111196-0 ✔ ACTIVE

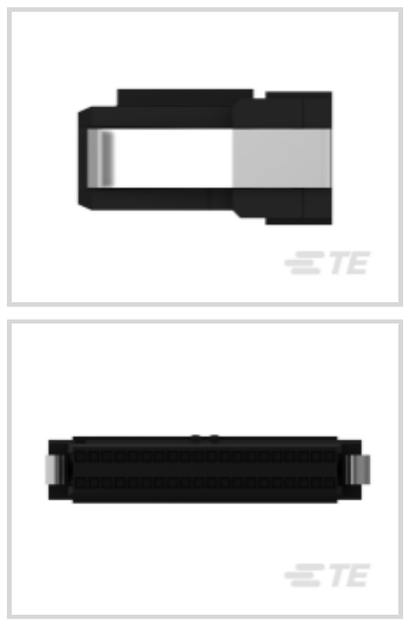
AMP-LATCH

TE Internal #: 2-111196-0

Ribbon Cable Connectors, Cable-to-Board, 40 Position, 1.27 mm [.05 in] Centerline, Insulation Displacement (IDC), 2 Row, Receptacle

View on TE.com >

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



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

Number of Positions: **40**

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

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

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

Features

Product Type Features

Connector Type	Connector Assembly
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Receptacle
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Ribbon Cable
Number of Positions	40
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features

Mating Retention Feature Material	Stainless Steel

Contact Features

Contact Layout	Matrix
Mating Square Post Dimension	.38 mm[.015 in]
Mating Pin Diameter	.38 mm[.015 in]
Wire Contact Termination Area Plating Thickness	2.54 – 5.08 µm[100 – 200 µin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A

Termination Features

Square Termination Post & Tail Dimension	.38 mm[.015 in]
Round Termination Post & Tail Diameter	.38 mm[.015 in]
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Alignment	With
Panel Mount Feature	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention 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

Connector Length	32 mm[1.26 in]
Connector Height	12.32 mm[.485 in]
Connector Width	6.45 mm[.254 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

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

Packaging Features

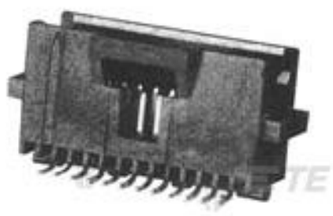
Packaging Quantity	40
Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

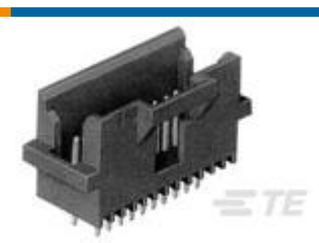
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

Compatible Parts

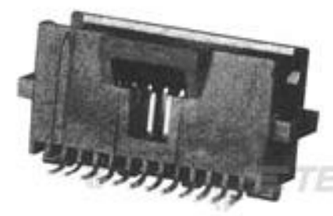


TE Part # 5-104549-6
40 SYS50 S/M HDR DRST SHRDSN

TE Part # 5-104069-6
40 sys 50 hdr drra shrd sn



TE Part # 5-104666-3
40 SYSTEM 50 HDR DRST SHRD SN



TE Part # 5-147377-4
40 SYS50 SMT HDR DR SHD SN

TE Part # 5-104477-4
40 SYSTEM 50 HDR DRRA SHRD SN

TE Part # 5-104068-4
40 SYSTEM 50 HDR DRST SHRD

Documents

Product Drawings

40 RCPT SYSTEM 50, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-111196-0_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-111196-0_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-111196-0_S.3d_stp.zip

English

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English

Ribbon Cable Interconnect Solutions

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_2-111196-0_05132019323_dmtec

English

MD_2-111196-0_05132019323_dmtec

English

Agency Approvals

Agency Approval Document

English