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Part Number:

0545593011

Status:

Active

Description:

2.54mm (0.100") Pitch QF-50™ Flat Cable Receptacle Housing, 30 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-54559-004 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Component Type

Glow-Wire Compliant

Product Name

Ribbon Cable / Wire Trap Connectors

54559

Housing

No

QF-50™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Entry Angle

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire/Cable Type

30

Black

500

90° Angle

Yes

Phosphor Bronze

Gold

Gold

Polyester

2

None

Tray

0.100 In

2.54 mm

12

0.3

12

0.3

Yes

No

N/A

-40°C to +85°C

IDT or Pierce

1.14mm (.045") max.

28

Ribbon Cable

Electrical

Current - Maximum per Contact

Voltage - Maximum

1A

300V

Material Info

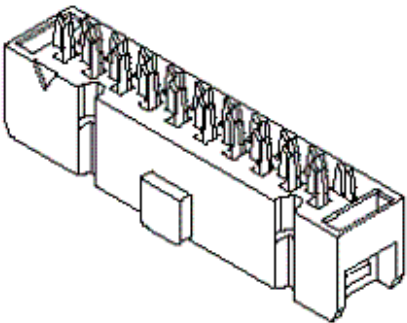
Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-54559-004, RPS-54559-008, RPS-54559-012, RPS-54559-014, RPS-54559-015

SD-54559-003



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
54559Series

Mates With
55401 Vertical Header, 55638 Right Angle Header

Use With
54561 Strain Relief, 54560 Upper Housing

Application Tooling | [FAQ](#)
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Japan

Description

Product #

IDT Hand Tool Assembly For MIL Connector

IDT Machine For MIL IDT Connector

0572525000

0572527000

This document was generated on 04/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

F

E

D

C

B

A

F

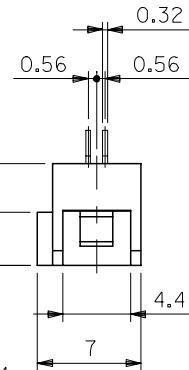
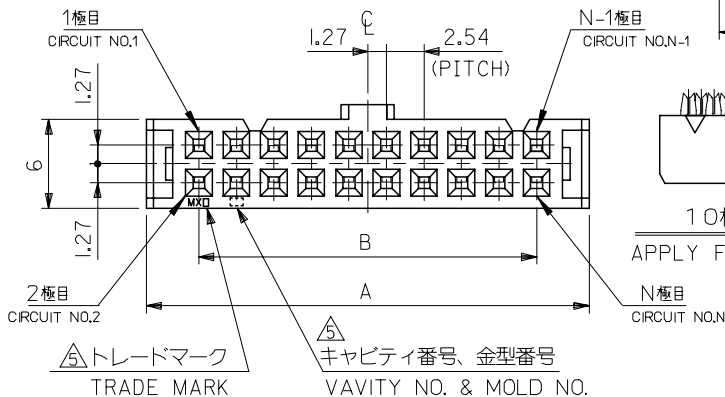
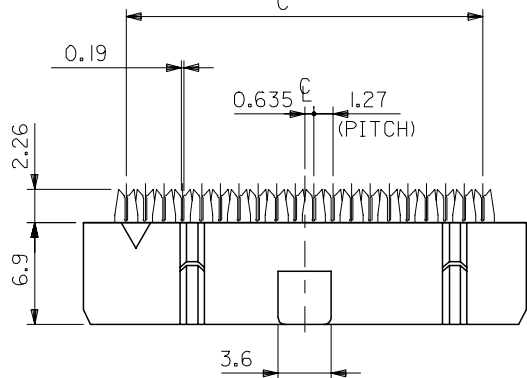
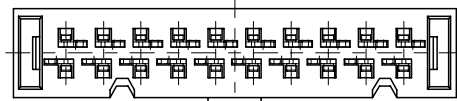
E

D

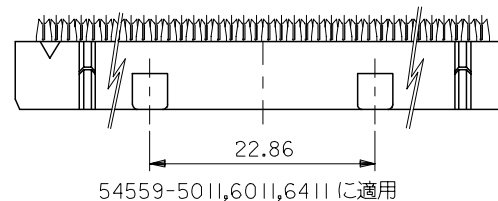
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B

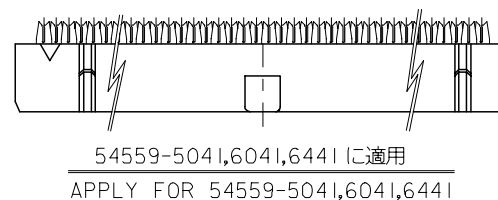
A



10極に適用
APPLY FOR 10 CKTS.



54559-5011,6011,6411に適用
APPLY FOR 54559-5011,6011,6411



54559-5041,6041,6441に適用
APPLY FOR 54559-5041,6041,6441

注記 NOTES

- 材料ハウジング : PBT (UL94V-0), 黒色
ターミナル : リン青銅 (ニッケル下地金メッキ)
MATERIAL HOUSING : PBT, UL94V-0, BLACK
TERMINAL : PHOS.BRO. (AU PLATING, NI UNDER-PLATING)
 - 適用電線 : 1.27ピッチリボンケーブル 被覆外径 : $\phi 1.14$ MAX.
より線 : AWG#28 (芯線7本構成)
FOR USE WITH AWG#28 STRANDED WIRE
(CONSISTS OF 7 CONDUCTORS)
1.14 DIA. MAX. INSULATION RIBBON CABLE WITH 1.27 CENTERS.
 - 嵌合相手 : 55401-***11は54559-***11に適用。
55401-***31は54559-***41に適用。
501577シリーズは54559-***11に適用。
55638-***11は54559-***11に適用。
55638-***31は54559-***41に適用。
MATE WITH : 55401-***11 SUITS 54559-***11
55401-***31 SUITS 54559-***41
501577 SERIES SUITS 54559-***11
55638-***11 SUITS 54559-***11
55638-***31 SUITS 54559-***41.
 - 適合アッパーハウジング : 54560-***01
APPLICABLE UPPER HSG : 54560-***01
適合ストレーンリリーフ : 54561-***
APPLICABLE STRAIN RELIEF : 54561-***01
- △トレードマーク : MXプラス製造工場を示すアルファベットにて構成
但し、"J"はJAPANを示す。(例 MX J)
キャビティ番号 : 数字で表示。
金型番号 : アルファベットにて構成。
FORMED BY MX AND ALPHABET WHICH MEAN
THE MANUFACTORY, BUT "J" MEANS JAPAN. (TO TRADE MARK)
(e.g. MXJ)
AND BY NUMBERS (TO CAVITY NO.)
AND BY ALPHABET (TO MOLD NO.)

80.01	78.74	85.85	54559-6441	64
			54559-6411	
74.93	73.66	80.77	54559-6041	60
			54559-6011	
62.23	60.96	68.07	54559-5041	50
			54559-5011	
49.53	48.26	55.37	54559-4011	40
41.91	40.64	47.75	54559-3411	34
36.83	35.56	42.67	54559-3011	30
31.75	30.48	37.59	54559-2611	26
24.13	22.86	29.97	54559-2011	20
19.05	17.78	24.89	54559-1611	16
16.51	15.24	22.35	54559-1411	14
11.43	10.16	17.27	54559-1011	10
C	B	A	MATERIAL NO.	CKT.
MODEL NO. 54559-***11				

REVISED EC NO: J2007-2853 DRWN: NABEI CHKD: YMAEDA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY S. MATSUZAKI	DATE '99/03/04	TITLE 2.54 FLAT CABLE CONN. REC HOUSING ASSY				
		10 OVER 30 UNDER	±0.25	CHECKED BY S. KUNISHI	DATE '03/08/06					
		30 OVER	±0.3	APPROVED BY T. YAMAGUCHI	DATE '03/08/06	MOLEX INCORPORATED				
		ANGULAR	±3 °	MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54559-003		1 OF 1		
		REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							