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Part Number:

0039532125

Status:

Active

Overview:

Description:

1.25mm (.049") Pitch FFC/FPC Connector, Through-Hole, Vertical, ZIF, 12 Circuits, Lead-free

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

5597Series

Agency Certification

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

5597

Overview

ffc_fpc_throughhole

Product Name

N/A

Physical

Circuits (Loaded)

12

Color - Resin

Natural

Contact Position

N/A

Durability (mating cycles max)

30

Entry Angle

Vertical

Flammability

94V-0

Mated Height (in)

0.295 In

Mated Height (mm)

7.50 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Tin-Bismuth

Material - Plating Termination

Tin-Bismuth

Material - Resin

Polyester

Number of Rows

1

Orientation

Vertical

PC Tail Length (in)

0.138 In

PC Tail Length (mm)

3.50 mm

PCB Locator

No

PCB Retention

None

Packaging Type

Tray

Pitch - Mating Interface (in)

0.049 In

Pitch - Mating Interface (mm)

1.25 mm

Plating min: Mating (µin)

40

Plating min: Mating (µm)

1

Plating min: Termination (µin)

40

Plating min: Termination (µm)

1

Polarized to PCB

No

Stackable

No

Surface Mount Compatible (SMC)

No

Temperature Range - Operating

-20°C to +80°C

Termination Interface: Style

Through Hole

Wire/Cable Type

FFC/FPC

Electrical

Current - Maximum per Contact

1A

Voltage - Maximum

200V

Material Info

Old Part Number

5597-12CPB7F

Reference - Drawing Numbers

Packaging Specification

SPK-5597-001

Product Specification

PS-5597-004, RPS-5597-005, RPS-5597-006,
RPS-5597-013, RPS-5597-014, RPS-5597-015,
RPS-5597-016
SD-5597-007

Sales Drawing

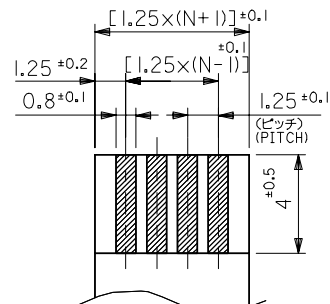
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基板取付穴推奨寸法 (t=1.6)
RECOMMENDED P.C. BOARD
HOLE DIMENSION (SCALE 5:1)



適合FPC/FFC推奨寸法
RECOMMENDED FPC/FFC
厚さ THK : 0.3 ± 0.05 (SCALE 5:1)

FPCについて:

打抜き方向は導体側から補強板側を推奨いたします。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:

RECOMMENDED PUNCHER DIRECTION :
FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL:
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

注記 NOTES

- ① MX J側を基準に奇数番目の極におけるソルダーテール。
SOLDER TAIL OF ODD CKTS,MXJ MARK AS BASIC.
- ② MX J側を基準に偶数番目の極におけるソルダーテール。
SOLDER TAIL OF EVEN CKTS,MXJ MARK AS BASIC.
- ③ 3極~10極に適用。APPLY FOR 3-10 CKTS.
- ④ 3極~19極に適用。APPLY FOR 3-19 CKTS.
5. () 内寸法は、参考値。
() DIMENSION IS FOR REFERENCE.
6. ソルダーテールは、先端が取付推奨穴にガイドされること。
SOLDER TAILS MAY BE CHECKEDBY INSERSION
FOR RECOMMENDED PCB BOARD HOLES.

7. 使用材料 MATERIAL

ハウジング、アクチュエーター: PBTP, UL94V-0
HOUSING, ACTUATOR: PBTP,UL94V-0
ターミナル: リン青銅 (t=0.3)
PHOSPHOR BRONZE (t=0.3)
錫ピスマスメッキ 1.0μm MIN.
TIN-BISMUTH 1.0 MICROMETER MIN.
ニッケル下地 1.0μm MIN.
NICKEL 1.0 MICROMETER MIN.

8. 本製品は5597-NCPBの鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 5597-NCPB.

REVISED EC NO: J2005-4741 DRAWN:SUZUKI CHKD:KTOJO APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY YWADA	DATE 04/02/19	TITLE 1.25 FPC CONN ASSY ZIF				
		10 OVER 30 UNDER	±0.25	CHECKED BY MSASAO	DATE 04/02/19					
		30 OVER	±0.3	APPROVED BY MSASAO	DATE 04/02/19	-LEAD FREE-  MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-5597-007			2 OF 2		
A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								