

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0527460871](#)
Status: **Active**
Overview:
Description: 0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 8 Circuits, Lead-free, Gold Contact Plating, High BarrierPackaging

Agency Certification

CSA LR19980
UL E29179

General

Product Family FFC/FPC Connectors
Series 52746
Overview ffc_fpc_smt
Product Name N/A

Physical

Circuits (Loaded) 8
Contact Position Bottom
Durability (mating cycles max) 20
Entry Angle 90° Angle
Flammability 94V-0
Mated Height (in) 0.079 In
Mated Height (mm) 2.00 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Gold
Number of Rows 1
Orientation Right Angle
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.020 In
Pitch - Mating Interface (mm) 0.50 mm
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -20°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FFC/FPC

Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 50V

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-52746-001, SPK-52746-002
Product Specification PS-52746-015, RPS-52746-017, RPS-52746-050,
RPS-52746-051, RPS-52746-053, RPS-52746-054,
RPS-52746-056, RPS-52746-057, RPS-52746-060,
RPS-52746-062
Sales Drawing SD-52746-024, SD-52746-025

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

China RoHS



Not Reviewed
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
[52746Series](#)

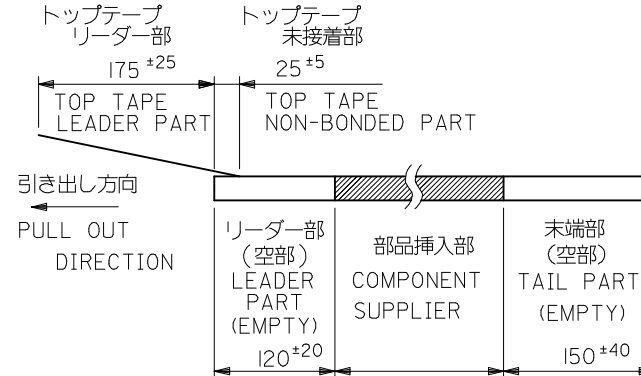
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

注記 NOTES

1. 製品番号 52746-***39 の梱包状態はアクチュエータがロックした状態とする。
詳細寸法については図面 SD-52746-025 を参照下さい。
IN THE PACKAGE,ACTUATOR OF PART NO.52746-***39 SHOULD BE LOCKED
RE DETAILED DIMENSIONS,SEE SD-52746-025

2. 梱包数量：1000個／リール
NUMBER OF CONNECTORS:1000PCS/REEL

3. リードテープ長さ LEAD TAPE LENGTH



4. トップテープの剥離強度：(剥離方向は下図参照)

0.1N～1.3N{10gf～130gf}

尚、本規格値は、出荷時に適用。

(但し、輸送時に剥離が発生しない事。)

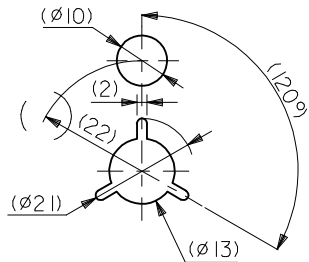
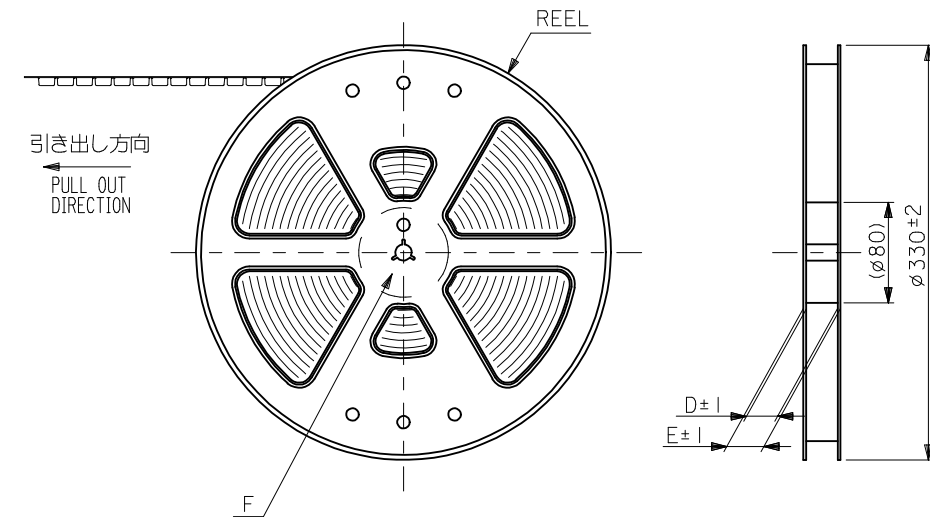
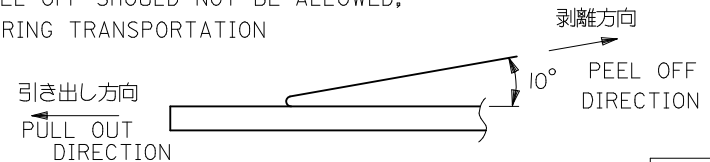
PEELING OFF FORCE OF TOP TAPE

0.1N～1.3N{10gf～130gf}(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT

PEEL OFF SHOULD NOT BE ALLOWED,

DURING TRANSPORTATION



DETAIL F

5. 材料
キャリアテープ：ポリプロピレン (PP)
トップテープ：PET, PE, PEF
リール：ポリスチレン (PS) <リサイクル材を含む>

MATERIAL CARRIER TAPE:POLYPROPYLENE
TOP TAPE:PET,PE,PEF
REEL:POLYSTYRENE(PS)
<RECYCLE MATERIAL CONTAINED>

6. 本製品は 52746-***81 の鉛フリー品です

THIS PRODUCT IS LEAD FREE OF 52746-***81

7. 本製品は乾燥剤入り、ハイバリア梱包仕様である。

THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.

MODEL No.52746-***71

REVISED	EC NO: J2009-2061 DRAWN:TKON CHKD:HWATSUMOTO APPR:NUKITA	2009/05/20 2009/05/21 2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				10 UNDER	±0.2	DRAWN BY HSHIMABUKURO	DATE '04/01/30	TITLE 0.5 FPC CONN ZIF SMT RA B/CONT EMBSTP PKG -LEAD FREE-			
				10 OVER 30 UNDER	±0.25	CHECKED BY KTOJO	DATE '04/01/30				
				30 OVER	±0.3	APPROVED BY MSASAO	DATE '04/01/30	MOLEX INCORPORATED			
				ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.				
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2.3		SD-52746-024		1 OF 3				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

F

E

D

C

B

A

F

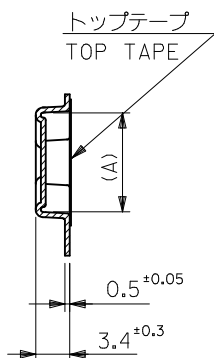
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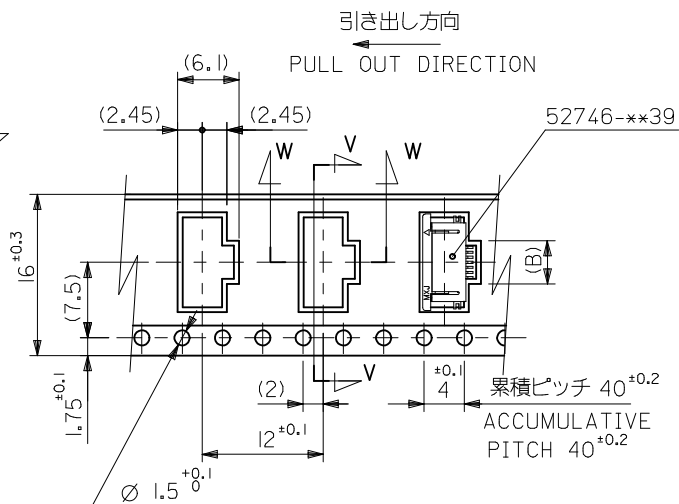
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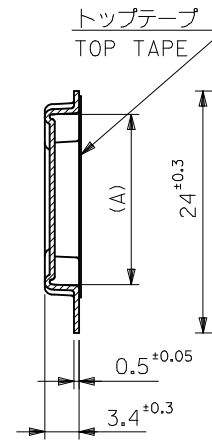
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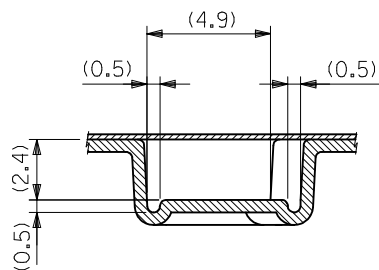
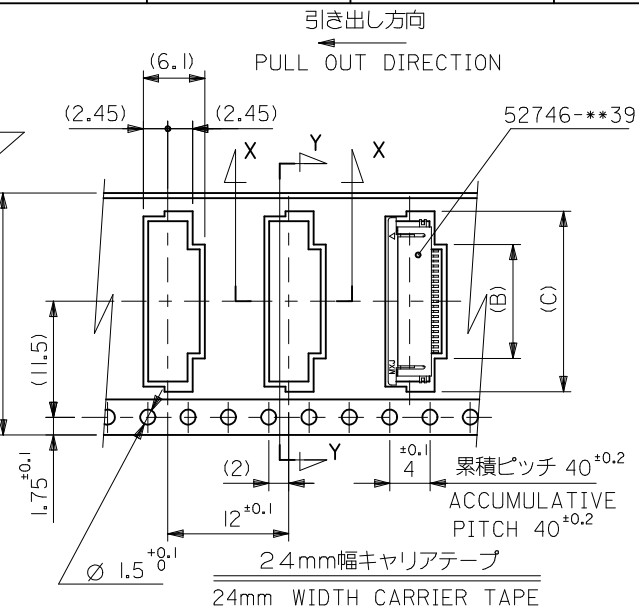
SECT.V-V



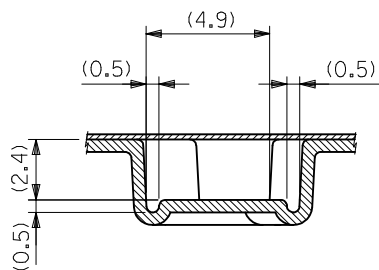
16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE



SECT.Y-Y



SECT. W-W



SECT.X-X

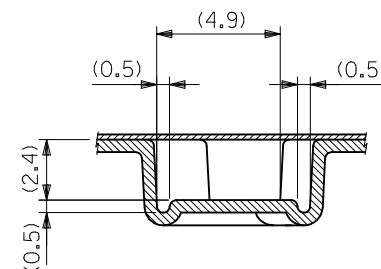
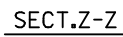
MODEL No.52746-***71

REVISED
EC NO: J2009-2061
DRWN:TKN
CHKD:HMATSUMOTO
APPR:NUK ITA
2009/05/20
2009/05/21
2009/05/21

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
HS HIMABUKURO	'04/01/30
CHECKED BY	DATE
KTOJO	'04/01/30
APPROVED BY	DATE
MSASAO	'04/01/30
MATERIAL NO.	
SEE TABLE	
SIZE A3	

SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
TITLE		0.5 FPC CONN ZIF SMT RA B/CONT EMBSTP PKG -LEAD FREE-		MOLEX INCORPORATED	
DOCUMENT NO.		SD-52746-024		SHEET NO. 2 OF 3	

SECT.X-X

MODEL No.52746-xx71

tb_frame_A3_J_ME_S
Rev. E 2006/04/15

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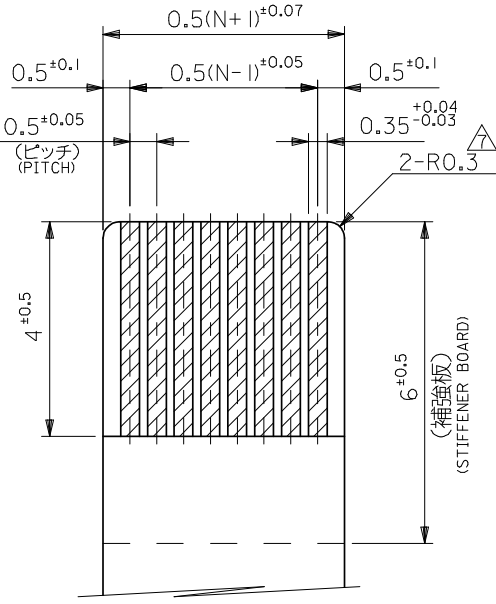
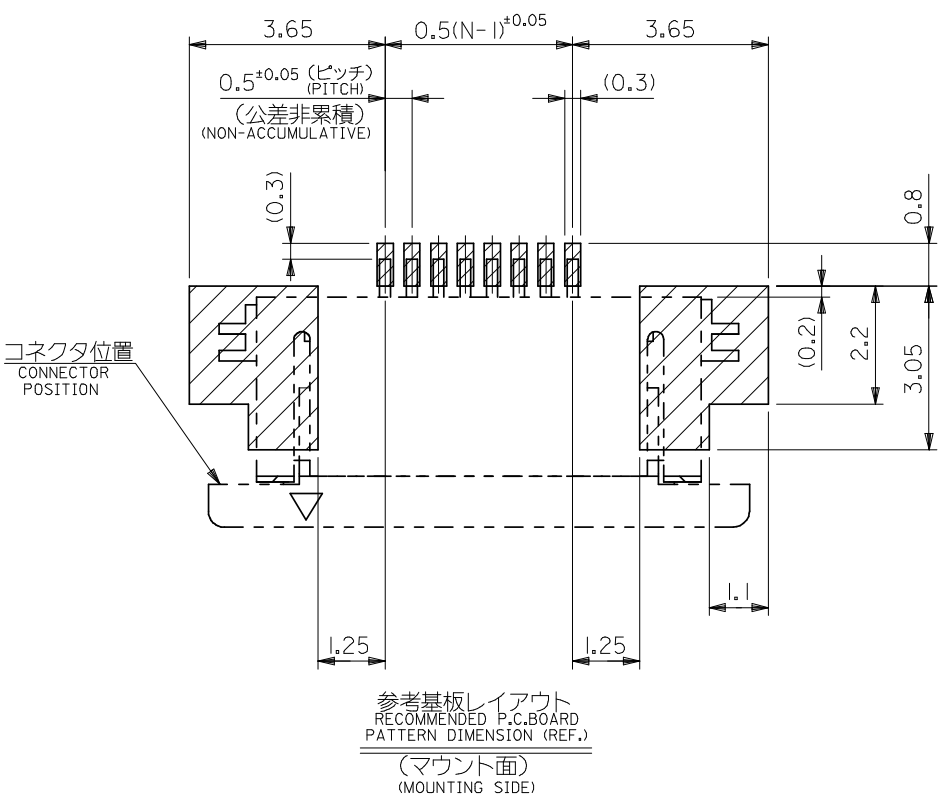
E

D

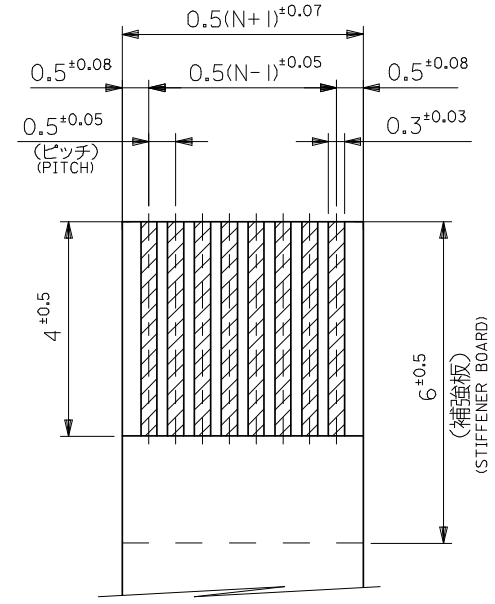
C

B

A



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ: 0.3±0.03)
(THICKNESS: 0.3±0.03)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ: 0.3±0.03)
(THICKNESS: 0.3±0.03)

FPCについて:
打抜き方向は導体側から補強板を推奨致します。
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

△ R0.3は、FPCの導体側にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

REVISED		EC NO: J2008-4308		2008/06/27		DRWN:WABEI		2008/06/30		CH'KD:THARUYAMA		2008/06/30		APPR:NUKITA		2008/06/30	
GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		MODEL NO. 52746-**39		THIRD ANGLE PROJECTION		TITLE 0.5 FPC CONN ZIF FOR SMT R/A (BOTTOM CONTACT) -LEAD FREE-		MOLEX INCORPORATED		SHEET NO. 2 OF 2	
10 UNDER		±0.2		DRAWN BY HSHIMABUKURO		DATE '04/01/30		APPROVED BY MSASAO		DATE '04/01/30		DOCUMENT NO. SD-52746-025		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
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