

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0527460671](#)
Status: **Active**
Overview:
Description: 0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 6 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) 6
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-52746-059,
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

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

[52746Series](#)

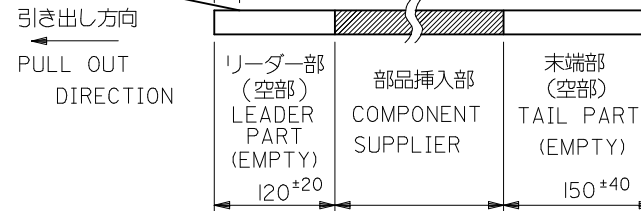
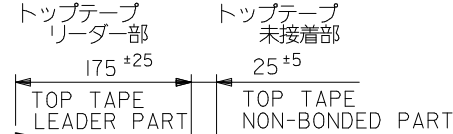
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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。)

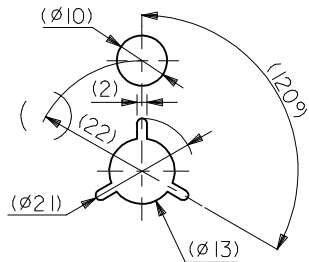
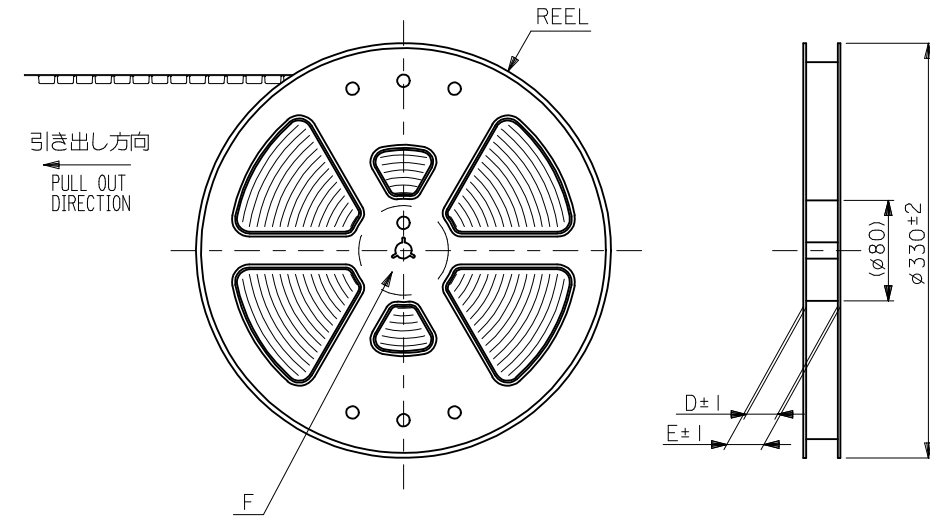
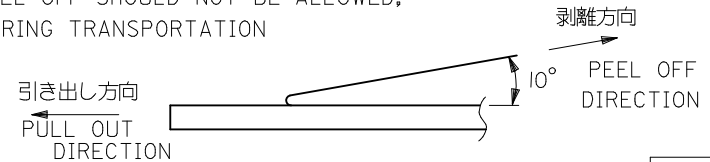
PEELING OFF FORCE OF TOP TAPE

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 DRWN:TKON CHKD:HMTSUMOTO 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 MOLEX INCORPORATED						
				ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.						SHEET NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2.3		SD-52746-024						1 OF 3
REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

F

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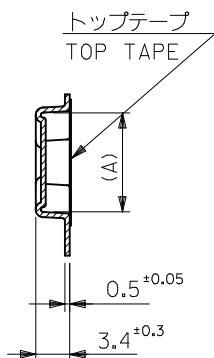
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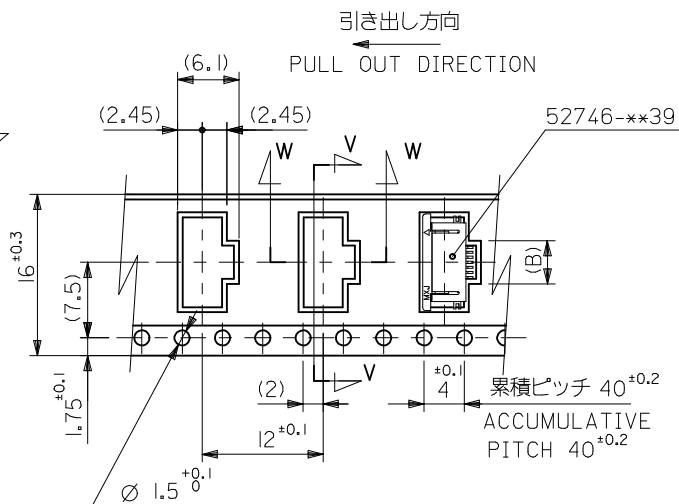
C

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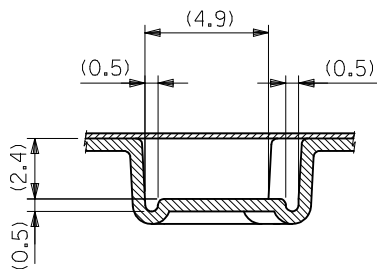
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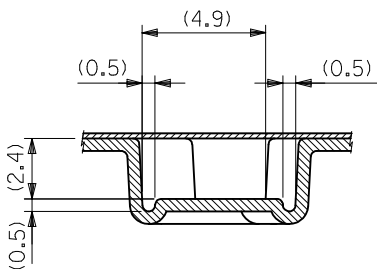
SECT.V-V



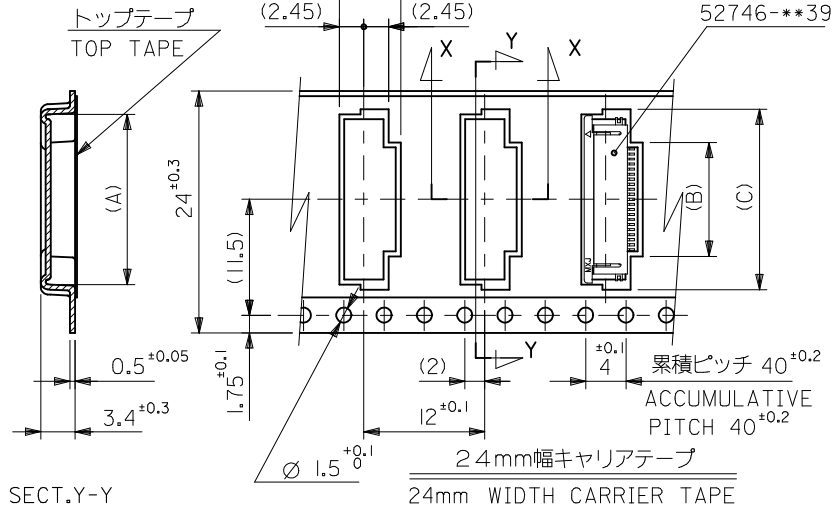
16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE



SECT. W-W



SECT.X-X



SECT.Y-Y

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	29.4	25.4	24.4	11.8	17.4	52746-2271	22
			17.9	11.3	16.9	52746-2171	21
			17.4	10.8	16.4	52746-2071	20
			16.9	10.3	15.9	52746-1971	19
			16.4	9.8	15.4	52746-1871	18
			15.9	9.3	14.9	52746-1771	17
			15.4	8.8	14.4	52746-1671	16
			14.9	8.3	13.9	52746-1571	15
			14.4	7.8	13.4	52746-1471	14
			13.9	7.3	12.9	52746-1371	13
			13.4	6.8	12.4	52746-1271	12
			12.9	6.3	11.9	52746-1171	11
			12.4	5.8	11.4	52746-1071	10
			11.9	5.3	10.9	52746-0971	9
			11.4	4.8	10.4	52746-0871	8
			10.9	4.3	9.9	52746-0771	7
			10.4	3.8	9.4	52746-0671	6
			9.4	2.8	8.4	52746-0471	4
16	21.4	17.4	9.4	2.8	8.4	52746-0471	4
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUITS

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

DESCRIPTION
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
HSHIMABUKURO
CHECKED BY
KTOJO
APPROVED BY
MSASAO
DATE
'04/01/30
DATE
'04/01/30
DATE
'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

10 9 8 7 6 5 4 3 2 1

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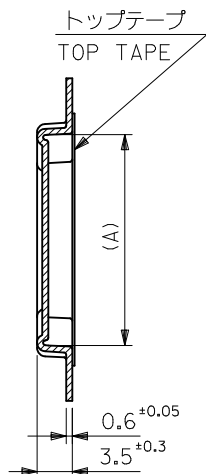
E

D

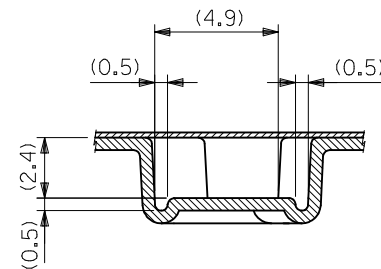
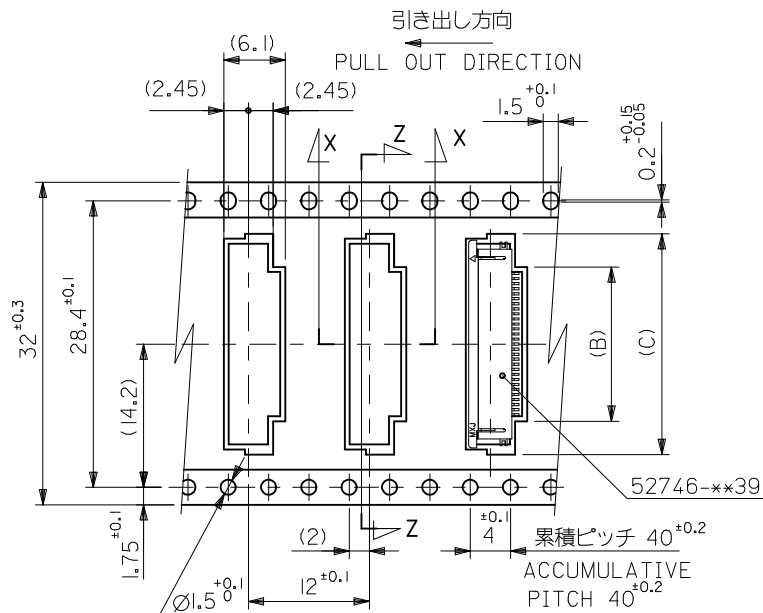
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SECT.Z-Z



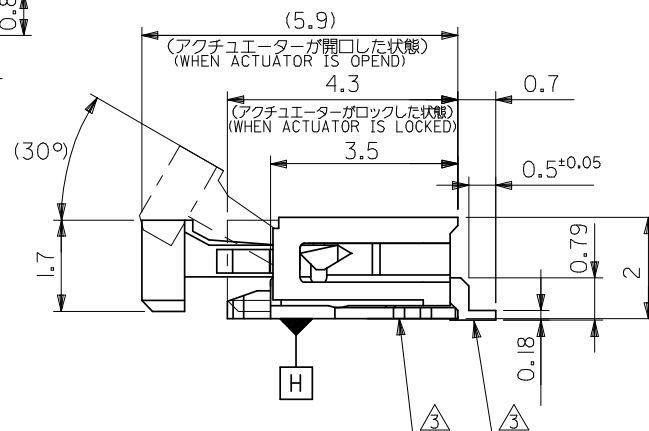
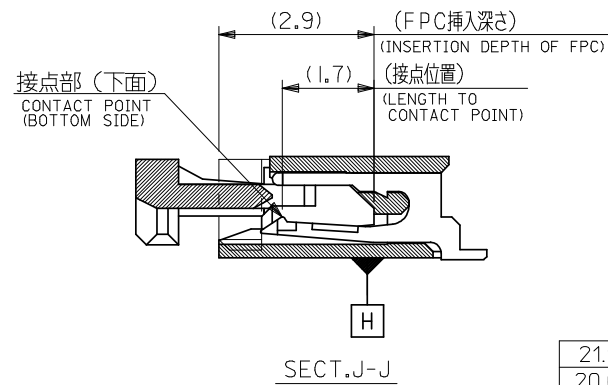
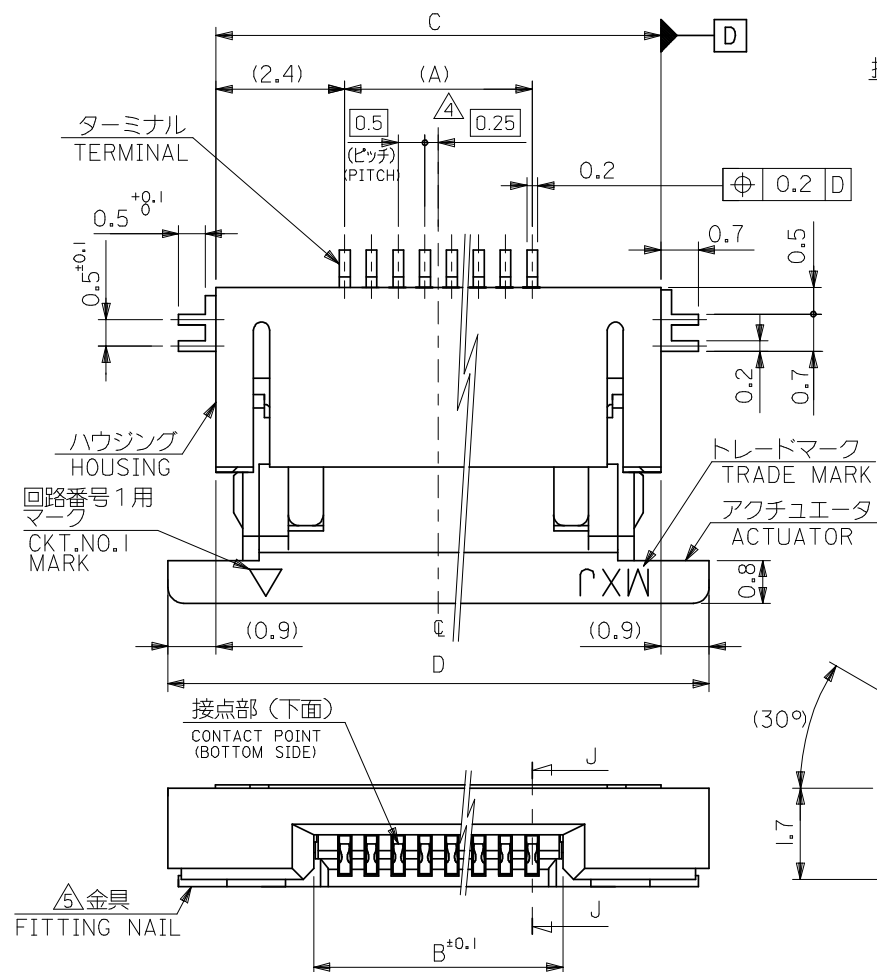
SECT.X-X

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	37.4	33.4	22.4	15.8	21.4	52746-3071	30
			21.4	14.8	20.4	52746-2871	28
			20.9	14.3	19.9	52746-2771	27
			19.9	13.3	18.9	52746-2571	25
			19.4	12.8	18.4	52746-2471	24
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

MODEL No.52746-**71

REVISED EC NO: J2009-2061 DRWN:TKON CHKD:HMATSUMOTO APPR:NUKITA	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.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52746-024		3 OF 3		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



注記 NOTES

1. 使用材料 MATERIAL
- ハウジング HOUSING : #4ナイロン、UL 94V-O
46NYLON
- アクチュエータ : PPS、UL 94V-O
ACTUATOR
- ターミナル TERMINAL : #1N青銅 (#+0.2)、ニッケル下地 金メッキ
PHOSHOR BRONZE, GOLD OVER NICKEL PLATING
- 金具 FITTING NAIL : #1N青銅 (#+0.2)、ニッケル下地 銀メッキ
PHOSHOR BRONZE, TIN OVER NICKEL PLATING
2. エンパケータ(梱包制)は、アクチュエータがロックした状態とする。
IN THE PACKAGE,ACTUATOR OF PART NO.52746--**39 SHOULD BE LOCKED.
- △ 対上方向0.1MAX、下方向0.15MAX、とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM [H]
UPPER DIRECTION:0.1 MAX., LOWER DIRECTION:0.15MAX.
- △ 例数欄に適用。
APPLY FOR EVEN CIRCUIT.
- △ パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B. PATTERN.
6. 本製品は 52746--**39の鉛フリー品です。
THIS PRODUCT IS LEAD FREE OF 52746--**38

21.1	19.3	15.65	14.5	52746-3071	52746-3039	30
20.6	18.8	15.15	14.0	52746-2971	52746-2939	29
20.1	18.3	14.65	13.5	52746-2871	52746-2839	28
19.6	17.8	14.15	13.0	52746-2771	52746-2739	27
19.1	17.3	13.65	12.5	52746-2671	52746-2639	26
18.6	16.8	13.15	12.0	52746-2571	52746-2539	25
18.1	16.3	12.65	11.5	52746-2471	52746-2439	24
17.6	15.8	12.15	11.0	52746-2371	52746-2339	23
17.1	15.3	11.65	10.5	52746-2271	52746-2239	22
16.6	14.8	11.15	10.0	52746-2171	52746-2139	21
16.1	14.3	10.65	9.5	52746-2071	52746-2039	20
15.6	13.8	10.15	9.0	52746-1971	52746-1939	19
15.1	13.3	9.65	8.5	52746-1871	52746-1839	18
14.6	12.8	9.15	8.0	52746-1771	52746-1739	17
14.1	12.3	8.65	7.5	52746-1671	52746-1639	16
13.6	11.8	8.15	7.0	52746-1571	52746-1539	15
13.1	11.3	7.65	6.5	52746-1471	52746-1439	14
12.6	10.8	7.15	6.0	52746-1371	52746-1339	13
12.1	10.3	6.65	5.5	52746-1271	52746-1239	12
11.6	9.8	6.15	5.0	52746-1171	52746-1139	11
11.1	9.3	5.65	4.5	52746-1071	52746-1039	10
10.6	8.8	5.15	4.0	52746-0971	52746-0939	9
10.1	8.3	4.65	3.5	52746-0871	52746-0839	8
9.6	7.8	4.15	3.0	52746-0771	52746-0739	7
9.1	7.3	3.65	2.5	52746-0671	52746-0639	6
8.1	6.3	2.65	1.5	52746-0471	52746-0439	4
D	C	B	(A)	EMBOSSD TAPE	MATERIAL NO.	極数 CIRCUITS
				ORDER No. オーダー番号		

52746-**39	MODEL NO.
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DESIGN UNITS
METRIC

 THIRD ANGLE
PROJECTION

TITLE	0.5 FPC CONN ZIF FOR SMT R/A (BOTTOM CONTACT) -LEAD FREE-
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MOLEX INCORPORATED

DOCUMENT NO. SD-52746-025	SHEET NO. 1 OF 2
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REVISED	EC NO: J2008-4308	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	DRWN:WABEI		10 UNDER	± 0.2
	2008/06/27		10 OVER 30 UNDER	± 0.25
	CH'KD:THIRUYAMA		30 OVER	± 0.3
	2008/06/30		ANGULAR ± 3 °	
APPR: NUKITA	2008/06/30	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
REV				

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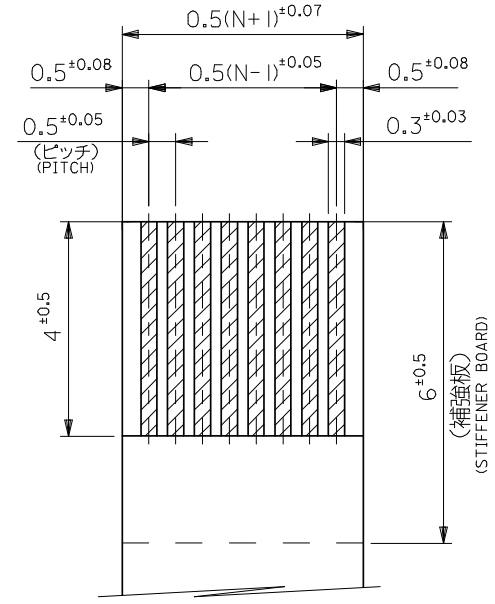
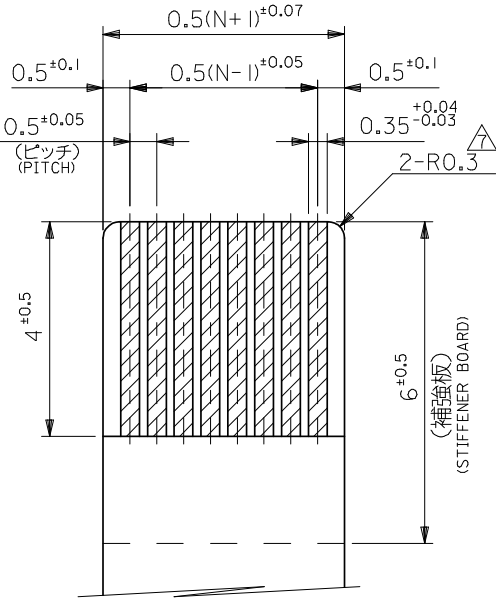
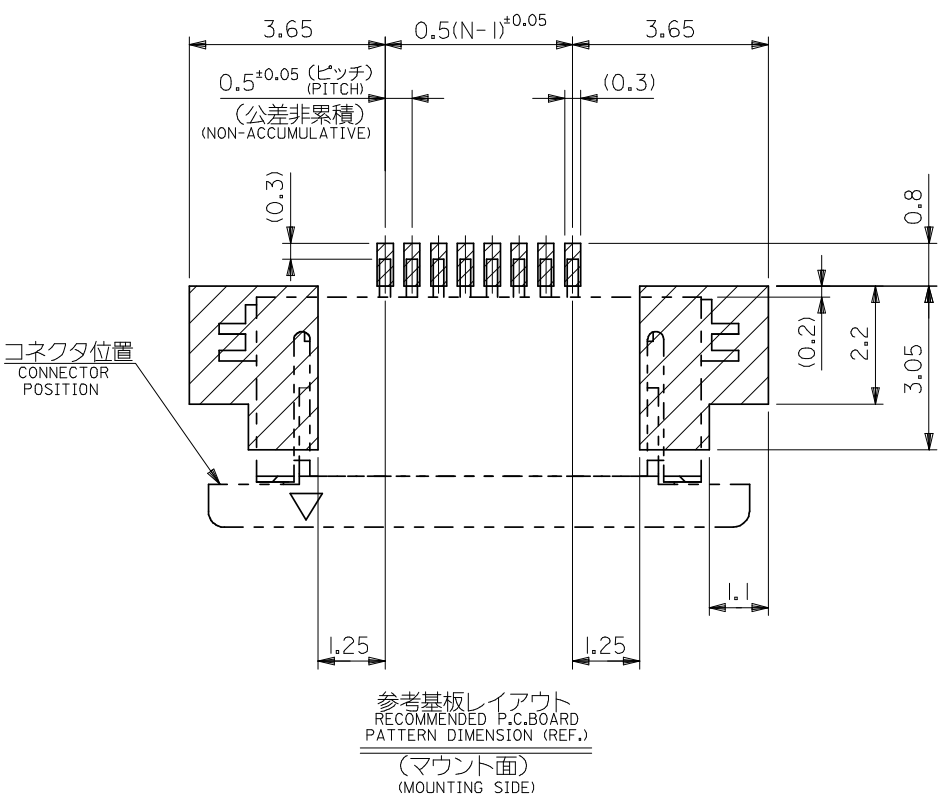
E

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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 DRWN:WABEI CHKD:THARUYAMA APPR:NUKITA 2008/06/27 2008/06/30 2008/06/30		DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		MODEL NO.	
			10 UNDER ±0.2		DRAWN BY HSHIMABUKURO		DATE '04/01/30		TITLE 0.5 FPC CONN ZIF FOR SMT R/A (BOTTOM CONTACT) -LEAD FREE-  MOLEX INCORPORATED		
			10 OVER 30 UNDER ±0.25		CHECKED BY KTOJO		DATE '04/01/30				
			30 OVER ±0.3		APPROVED BY MSASAO		DATE '04/01/30				
			ANGULAR ±3 °		MATERIAL NO. SEE TABLE						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

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moschip.ru_9