This document was generated on 06/05/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0527461171
Status: Active
Overview:
Description: 0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 11 Circuits, Lead-free, Gold Contact Plating, High Barrier Packaging

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

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)	11
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

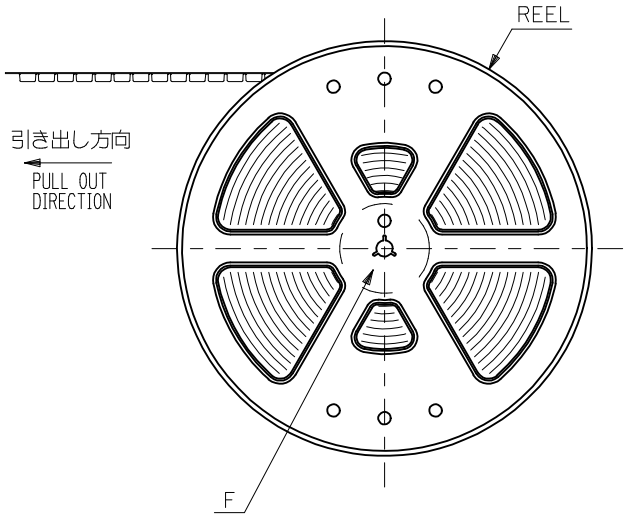
Material Info

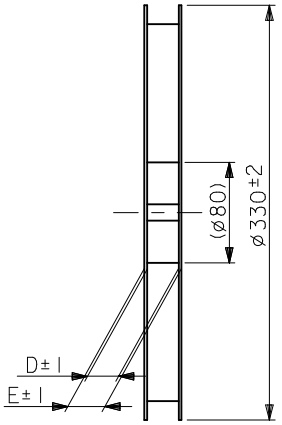
Reference - Drawing Numbers

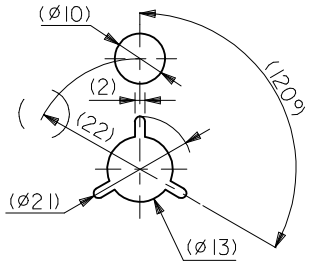
Packaging Specification	SPK-52746-001, SPK-52746-002
Product Specification	PS-52746-015, RPS-52746-017, RPS-52746-044, RPS-52746-045, RPS-52746-050, RPS-52746-051, RPS-52746-053, RPS-52746-054, RPS-52746-056, RPS-52746-057, RPS-52746-060, RPS-52746-062
Sales Drawing	SD-52746-024, SD-52746-025

This document was generated on 06/05/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION







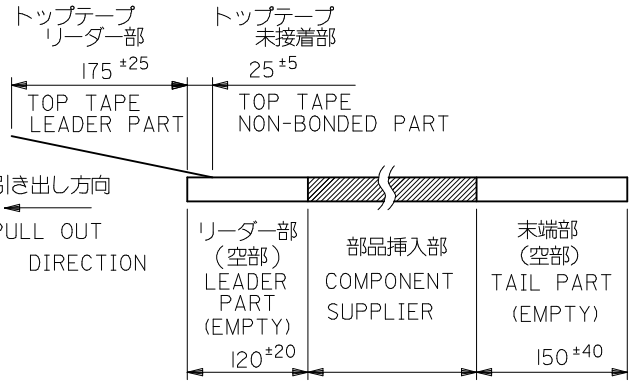
DETAIL F

注記 NOTES

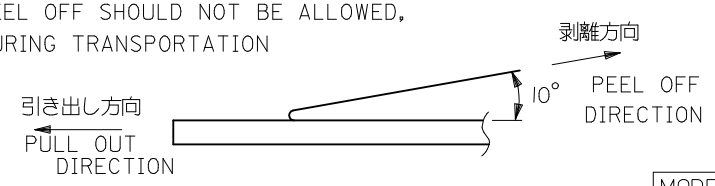
1. 製品番号 52746-**39 の梱包状態はアクチュエータがロックした状態とする。
詳細寸法については図面 SD-52746-025 を参照下さい。
IN THE PACKAGE,ACTUATOR OF PART NO.52746-**39 SHOULD BE LOCKED
RE DETAILED DIMENSIONS,SEE SD-52746-025

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



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	2009/05/20
	DRWN:TKON	2009/05/21
	CHKD:HMATSUMOTO	2009/05/21
	APPR:NUKITA	
REV: H	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	SCALE: ---	DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION		
DRAWN BY: HSHIMABUKURO	DATE: '04/01/30	
CHECKED BY: KTOJO	DATE: '04/01/30	
APPROVED BY: MSASAO	DATE: '04/01/30	
MATERIAL NO.: SEE SHEET 2,3		

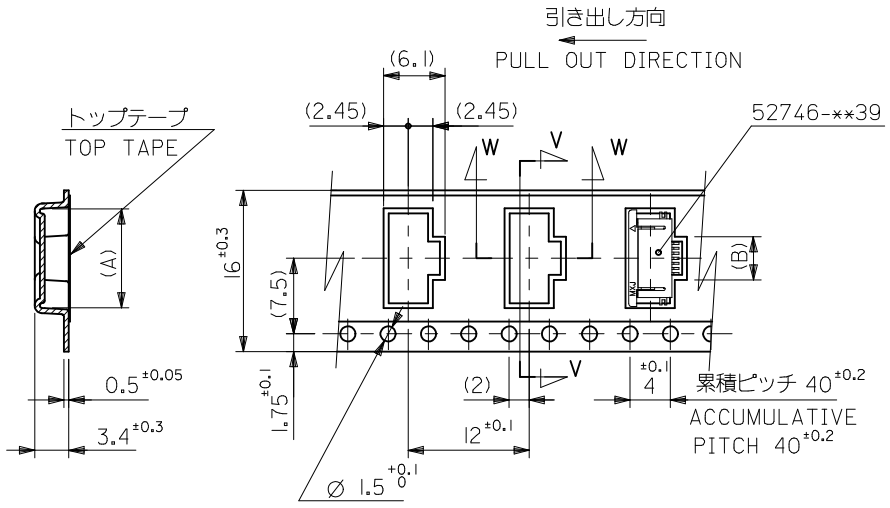
TITLE: 0.5 FPC CONN ZIF SMT RA B/CONT EMBSTP PKG -LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO.: SD-52746-024　　SHEET NO.: 1 OF 3

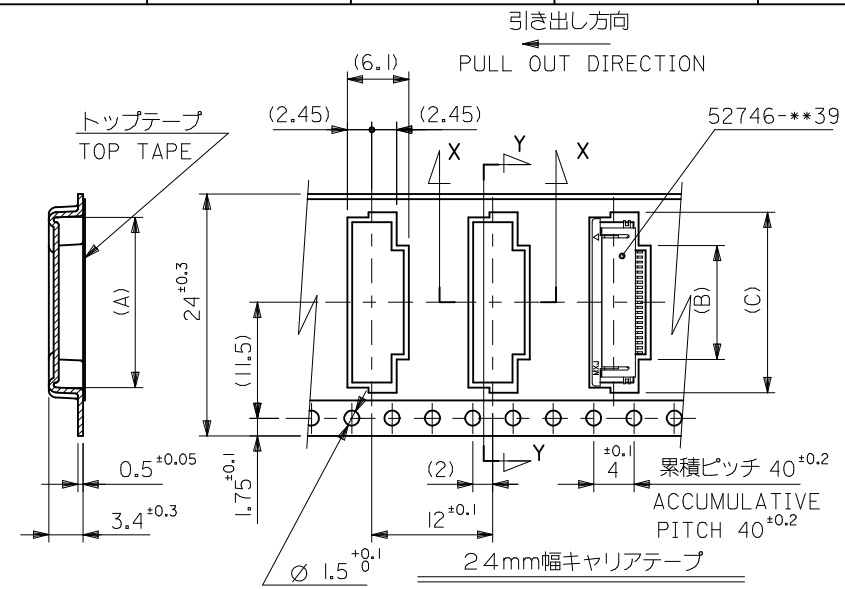
SIZE A3

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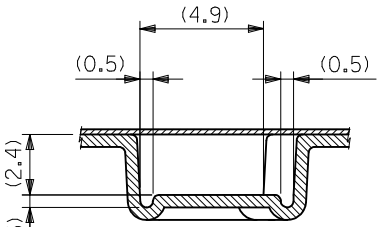
SECT.V-V

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

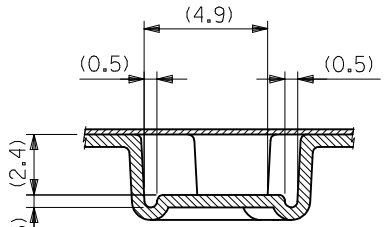


SECT.Y-Y

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE



SECT. W-W



SECT.X-X

キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUITS
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
16	21.4	17.4	9.4	2.8	8.4	52746-0471	4

MODEL No.52746-**71

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO
APPR:NUKITA
DESCRIPTION
H
REV

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
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: HSHIMABUKURO DATE: '04/01/30
CHECKED BY: KTOJO DATE: '04/01/30
APPROVED BY: MSASAO DATE: '04/01/30
MATERIAL NO.: SEE TABLE

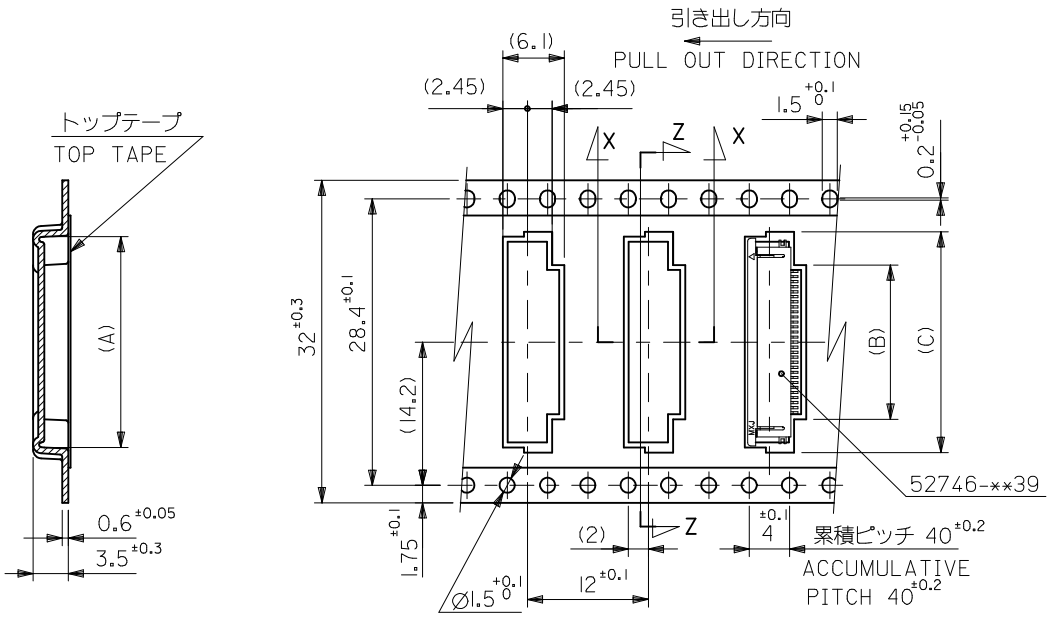
TITLE
0.5 FPC CONN ZIF SMT RA
B/CONT EMBSTP PKG
-LEAD FREE-

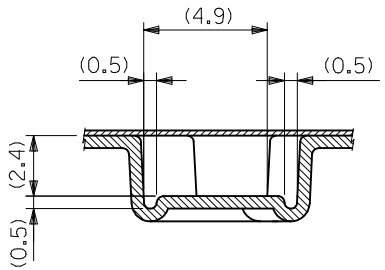
MOLEX INCORPORATED

DOCUMENT NO.: SD-52746-024
SHEET NO.: 2 OF 3

SIZE A3

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32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT
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

MODEL No.52746-××71

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO 2009/05/21
APPR:NUKITA 2009/05/21
DESCRIPTION
REV
H

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
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

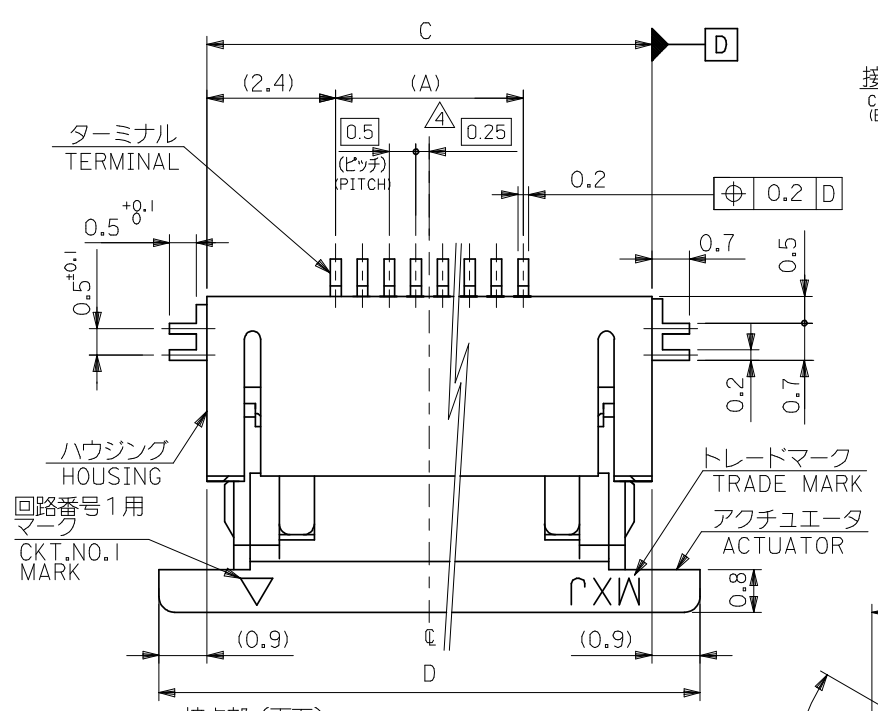
DRAWN BY	HSHIMABUKURO	DATE '04/01/30
CHECKED BY	KTOJO	DATE '04/01/30
APPROVED BY	MSASAO	DATE '04/01/30

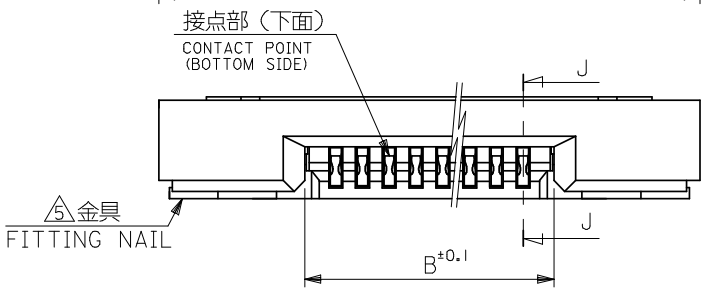
TITLE: 0.5 FPC CONN ZIF SMT RA B/CONT EMBSTP PKG -LEAD FREE-

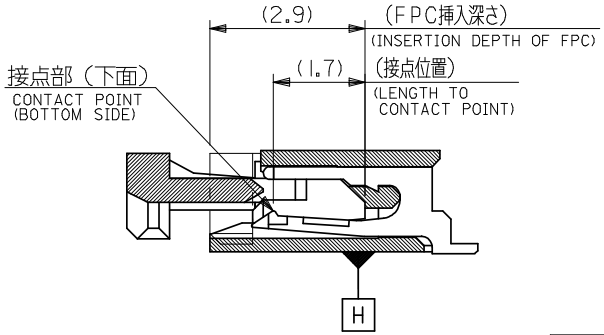
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-52746-024
SHEET NO.: 3 OF 3
SIZE: A3

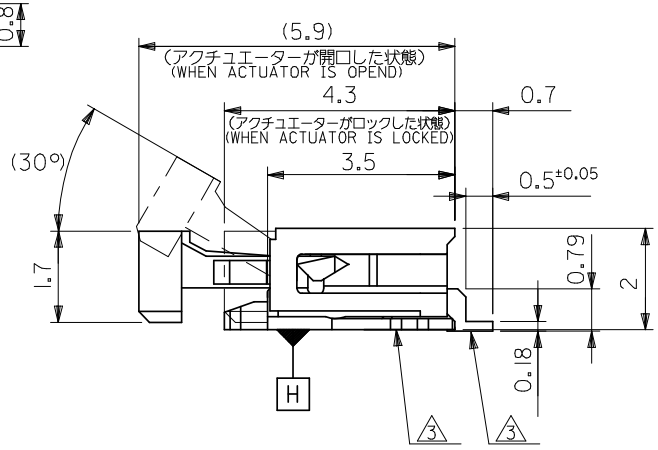
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SECT.J-J



注記 NOTES

1. 使用材料 MATERIAL
   - ハウジング HOUSING：46ナイロン、UL94V-0 46NYLON
   - アクチュエータ ACTUATOR：PPS、UL94V-0
   - ターミナル TERMINAL：リン青銅(t=0.2)、ニッケル下地 金メッキ PHOSHOR BRONZE, GOLD OVER NICKEL PLATING
   - 金具 FITTING NAIL：リン青銅(t=0.2)、ニッケル下地 錫メッキ PHOSHOR BRONZE, TIN OVER NICKEL PLATING
2. エンボステープ梱包時は、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.
3. ソルダーテール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 H に対し上方向 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.
4. 偶数極に適用。
   APPLY FOR EVEN CIRCUIT.
5. 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-**38の鉛フリー品です。
   THIS PRODUCT IS LEAD FREE OF 52746-**38

D	C	B	(A)	EMBOSSED TAPE ORDER No. オーダー番号	MATERIAL NO.	極数 CIRCUITS
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

52746-**39 MODEL NO.

REVISED
EC NO: J2008-4308 2008/06/27
DRWN:MNABEI 2008/06/30
CH'KD:THARUYAMA 2008/06/30
APPR:NUKITA 2008/06/30
DESCRIPTION
REV H

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
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

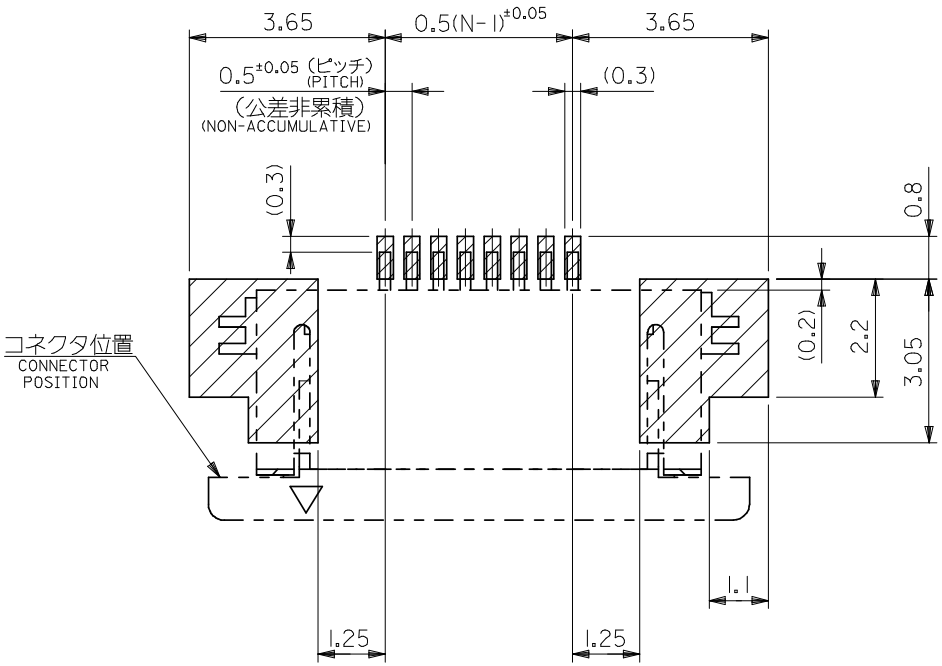
DRAWN BY: HSHIMABUKURO DATE: '04/01/30
CHECKED BY: KTOJO DATE: '04/01/30
APPROVED BY: MSASAO DATE: '04/01/30

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

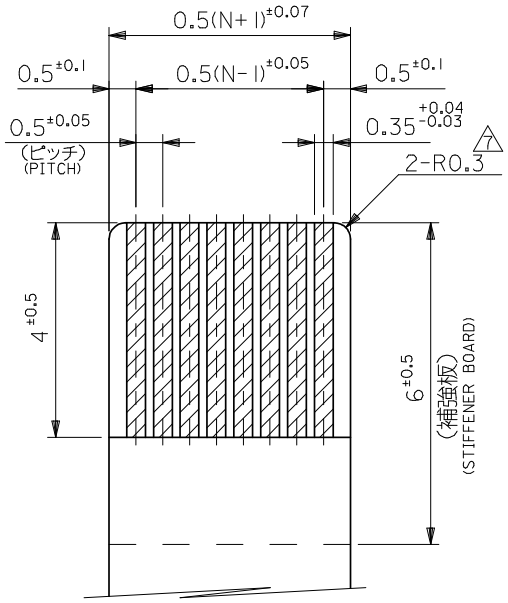
molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-52746-025
SHEET NO.: 1 OF 2
SIZE: A3

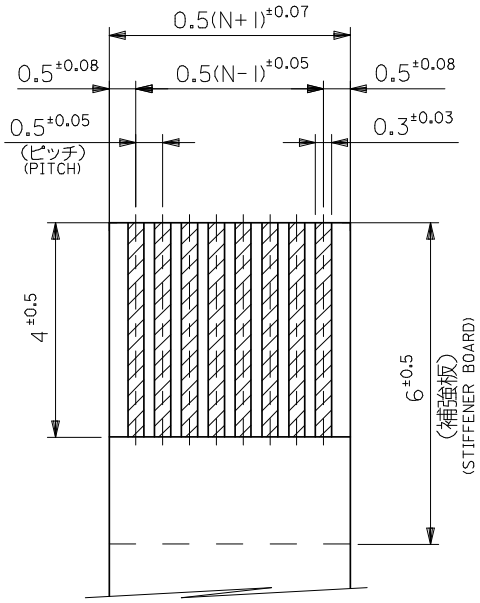
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



参考基板レイアウト
RECOMMENDED P.C.BOARD PATTERN DIMENSION (REF.)
(マウント面)
(MOUNTING SIDE)



適合ＦＰＣ推奨寸法
APPLICABLE FPC RECOMMENDED DIMENSION
(仕上がり厚さ：$0.3^{\pm 0.03}$)
(THICKNESS:$0.3^{\pm 0.03}$)



適合ＦＦＣ推奨寸法
APPLICABLE FFC RECOMMENDED DIMENSION
(仕上がり厚さ：$0.3^{\pm 0.03}$)
(THICKNESS:$0.3^{\pm 0.03}$)

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

⚠7 R0．3は、ＦＰＣの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

REVISED				
EC NO: J2008-4308	DRWN:MNABEI	CH'KD:THARUYAMA	APPR:NUKITA	
2008/06/27	2008/06/30	2008/06/30	2008/06/30	
REV: H	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
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	HSHIMABUKURO
DATE	'04/01/30
CHECKED BY	KTOJO
DATE	'04/01/30
APPROVED BY	MSASAO
DATE	'04/01/30
MATERIAL NO.	SEE TABLE
TITLE	0.5 FPC CONN ZIF FOR SMT R/A (BOTTOM CONTACT) -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-52746-025
SHEET NO.	2 OF 2
SIZE	A3

52746-**39 MODEL NO.

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
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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

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