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Part Number:

0522711769

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 17 Circuits, Lead-free, Gold Contact Plating, High Barrier Packaging

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

52271

Overview

ffc_fpc_smt

Product Name

N/A

Physical

Circuits (Loaded)

17

Color - Resin

Natural

Contact Position

Bottom

Durability (mating cycles max)

30

Entry Angle

90° Angle

Flammability

94V-0

Mated Height (in)

0.118 In

Mated Height (mm)

3.00 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

Nylon

Number of Rows

1

Orientation

Right Angle

PCB Locator

No

PCB Retention

Yes

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.039 In

Pitch - Mating Interface (mm)

1.00 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 AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification

AS-52271-001

Packaging Specification

SPK-52271-001, SPK-52271-002

Product Specification

PS-52271-054, RPS-52271-076, RPS-52271-078, RPS-52271-079, RPS-52271-081, RPS-52271-082, RPS-52271-083, RPS-52271-084, RPS-52271-086, RPS-52271-088, RPS-52271-090

Sales Drawing

SD-52271-038, SD-52271-039

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](#)

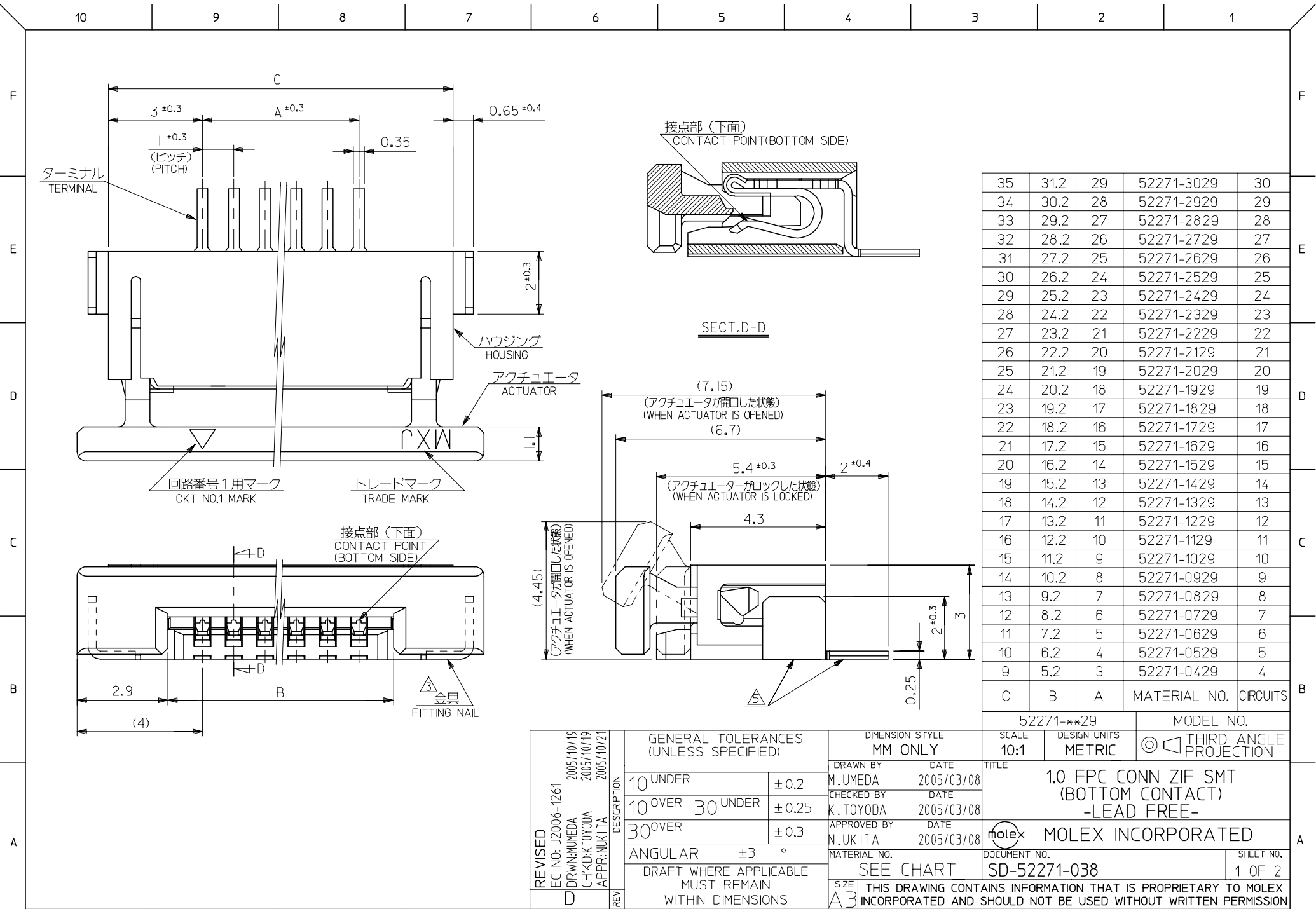
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Search Parts in this Series

52271Series

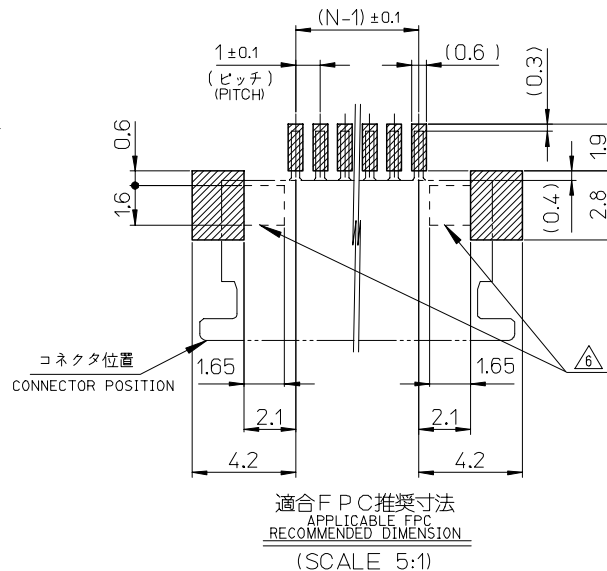
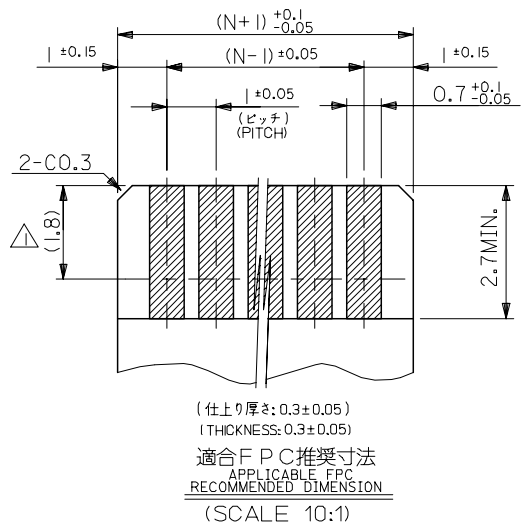
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35	31.2	29	52271-3029	30
34	30.2	28	52271-2929	29
33	29.2	27	52271-2829	28
32	28.2	26	52271-2729	27
31	27.2	25	52271-2629	26
30	26.2	24	52271-2529	25
29	25.2	23	52271-2429	24
28	24.2	22	52271-2329	23
27	23.2	21	52271-2229	22
26	22.2	20	52271-2129	21
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24	20.2	18	52271-1929	19
23	19.2	17	52271-1829	18
22	18.2	16	52271-1729	17
21	17.2	15	52271-1629	16
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17	13.2	11	52271-1229	12
16	12.2	10	52271-1129	11
15	11.2	9	52271-1029	10
14	10.2	8	52271-0929	9
13	9.2	7	52271-0829	8
12	8.2	6	52271-0729	7
11	7.2	5	52271-0629	6
10	6.2	4	52271-0529	5
9	5.2	3	52271-0429	4

C	B	A	MATERIAL NO.	CIRCUITS
52271-xx29	MODEL NO.	THIRD ANGLE PROJECTION	1.0 FPC CONN ZIF SMT (BOTTOM CONTACT) -LEAD FREE-	SD-52271-038
SCALE 10:1	DESIGN UNITS METRIC	MOLEX INCORPORATED	DOCUMENT NO.	SHEET NO. 1 OF 2
DRAWN BY M.UMEDA	DATE 2005/03/08	CHECKED BY K.TOYODA	DATE 2005/03/08	APPROVED BY N.UKITA
DATE 2005/03/08	DATE 2005/03/08	DATE 2005/03/08	DATE 2005/03/08	DATE 2005/03/08
MATERIAL NO.	SEE CHART	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SD-52271-038	1 OF 2



注記 NOTES

- △ 接点部までの嵌合長さ。
LENGTH TO CONTACT POINT.
2. 使用材料 MATERIAL
ハウジング : 46 NYLON, UL94V-0
HOUSING
アクチュエータ : PPS, UL94V-0
ACTUATOR
ターミナル : リン青銅 (t=0.25)
TERMINAL PHOSPHOR BRONZE (t=0.25)
メッキ : 接点部: 金メッキ : 0.1 MICROMETER MIN.
PLATING CONTACT PORTION : GOLD PLATING : 0.1 MICROMETER MIN.
半田付部: 錫メッキ : 1.0 MICROMETER MIN.
SOLDERING PORTION : TIN PLATING : 1.0 MICROMETER MIN.
下地: ニッケルメッキ : 1.0 MICROMETER MIN.
UNDER PLATING : NICKEL PLATING : 1.0 MICROMETER MIN.
銅合金 (t=0.25)
FITTING NAIL CUPPER ALLOY (t=0.25)
メッキ: 錫メッキ : 1.0 MICROMETER MIN.
PLATING : TIN PLATING : 1.0 MICROMETER MIN.
下地: ニッケルメッキ : 1.0 MICROMETER MIN.
UNDER PLATING : NICKEL PLATING : 1.0 MICROMETER MIN.
- △ パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B. PATTERN.
4. エンボステーブ梱包時は、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.54550-***29 SHOULD BE LOCKED.
- △ テール及び金具の平坦度は、0.15 以下とする。
TAIL AND NAIL COPLANARITY TO BE 0.15 MAXIMUM.
- △ パターン書き込み禁止エリア
NO FOOT PRINT AREA.

FPC について :

- 打抜き方向は、導体側から補強板側を推奨致します。
- 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

REVISED		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		52271-***29		MODEL NO.	
EC NO: J2006-1261		10 UNDER		MM ONLY		SCALE		THIRD ANGLE PROJECTION	
DRWN:UMEDA		10 OVER 30 UNDER		DRAWN BY DATE		DESIGN UNITS		TITLE	
CHKD:KTOYODA		30 OVER		M.UMEDA 2005/03/08		METRIC		1.0 FPC CONN ZIF SMT (BOTTOM CONTACT) -LEAD FREE-	
APPR:NUKITA		ANGULAR ±3 °		CHECKED BY DATE		MOLEX INCORPORATED		SHEET NO.	
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		K.TOYODA 2005/03/08		DOCUMENT NO.		2 OF 2	
D				APPROVED BY DATE		SD-52271-038			
				N.UKITA 2005/03/08		SEE SHEET 1			
				MATERIAL NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				SIZE					
				A3					

10 9 8 7 6 5 4 3 2 1

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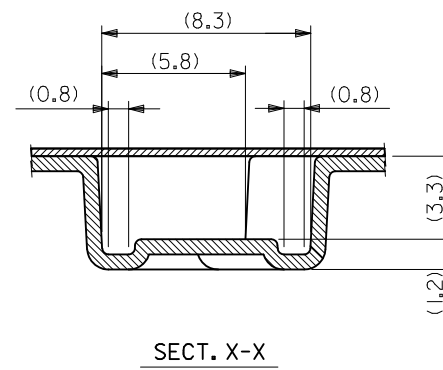
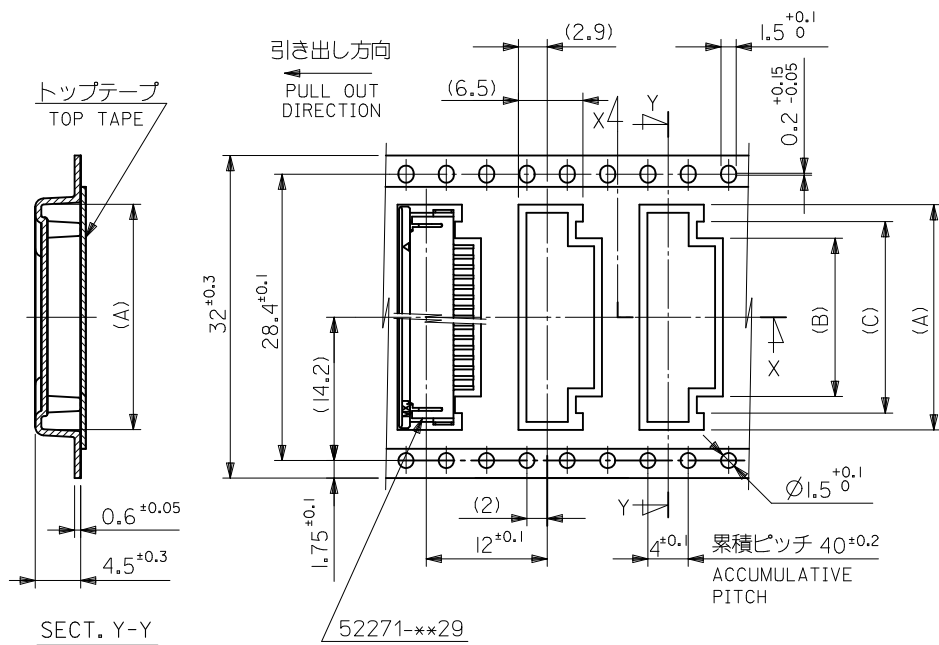
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32	37.4	33.4	20	16.4	23.35	52271-1669	16
			19	15.4	22.35	52271-1569	15
			18	14.4	21.35	52271-1469	14
			17	13.4	20.35	52271-1369	13
			16	12.4	19.35	52271-1269	12
キャリアテープ幅 CARRIER TAPE WIDTH	F	D	(C)	(B)	(A)	MATERIAL NO.	極 数 CKT.

REVISED EC NO: J2010-2474 DRWN: YUHASAGAWA 2010/06/08 CHKD: K. TOYODA 2010/06/08 APPR: KMORIKAWA 2010/06/09	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	M.UMEDA	2005/03/08	TITLE EMBOSSD TAPE PACKAGE FOR 52271-**-29 -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	K. TOYODA	2005/03/08					
		30 OVER	± 0.3	N. UKITA	2005/03/08	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52271-039		2 OF 4			
	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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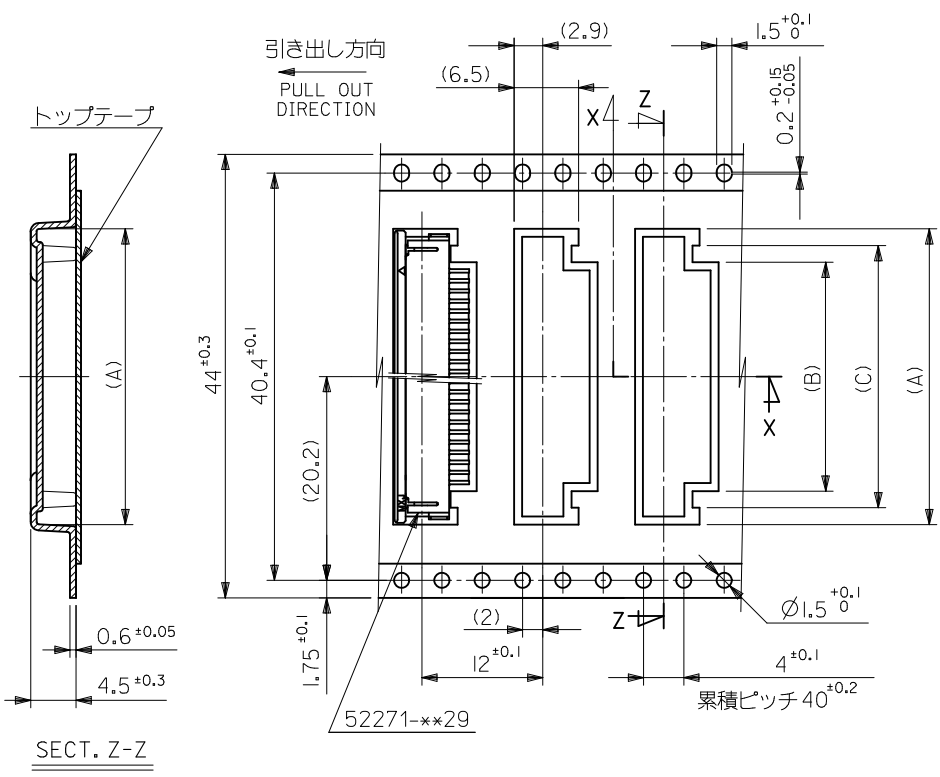
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44	49.4	45.4	31	27.4	34.35	52271-2769	27
			29	25.4	32.35	52271-2569	25
			28	24.4	31.35	52271-2469	24
			26	22.4	29.35	52271-2269	22
			25	21.4	28.35	52271-2169	21
			24	20.4	27.35	52271-2069	20
			23	19.4	26.35	52271-1969	19
			22	18.4	25.35	52271-1869	18
			21	17.4	24.35	52271-1769	17
キャリアテープ幅	F	D	(C)	(B)	(A)	MATERIAL NO.	極数

REVISED EC NO: J2010-2474 DRWN: YUASEGAWA 2010/06/08 CHKD: K. TOYODA 2010/06/08 APPR: KMORI KAWA 2010/06/09	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION					
		10 UNDER	± 0.2	DRAWN BY	DATE	TITLE EMBOSSD TAPE PACKAGE FOR 52271-**29 -LEAD FREE- MOLEX INCORPORATED DOCUMENT NO. SD-52271-039 SHEET NO. 3 OF 4									
		10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE										
		30 OVER	± 0.3	APPROVED BY	DATE										
		ANGULAR ± 3 °		MATERIAL NO.											
G		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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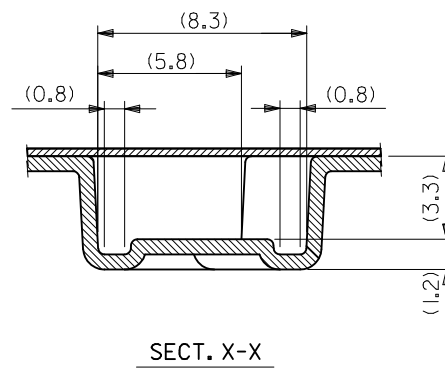
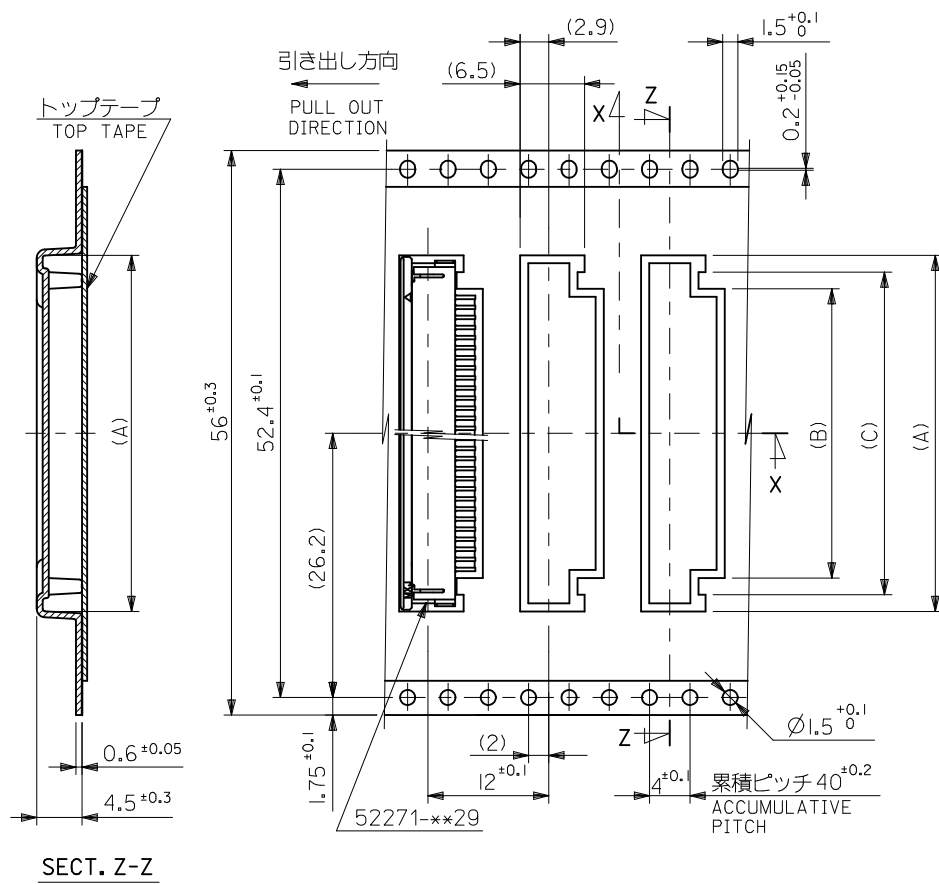
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56	61.4	57.4	34	30.4	37.35	52271-3069	30
			32	28.4	35.35	52271-2869	28
キャリアテープ幅 CARRIER TAPE WIDTH			(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED		EC NO. J2010-2474		DRWN: YU HASEGAWA		2010/06/08		CHK'D: K. TOYODA		2010/06/08		APPR: KMORI KAWA		2010/06/09	
DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		TITLE		DOCUMENT NO.	
10 UNDER		± 0.2		DRAWN BY		DATE		M. UMEDA		2005/03/08		EMBOSSED TAPE PACKAGE FOR 52271-**29 -LEAD FREE-		MOLEX INCORPORATED	
10 OVER 30 UNDER		± 0.25		CHECKED BY		DATE		K. TOYODA		2005/03/08		SEE TABLE		SD-52271-039	
30 OVER		± 0.3		APPROVED BY		DATE		N. UKITA		2005/03/08		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 4 OF 4	
ANGULAR		$\pm 3^\circ$		MATERIAL NO.		SIZE		A3							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															

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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>

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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:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

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

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9