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Part Number:

0522711069

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 10 Circuits, Lead-free, Gold Contact Plating, High Barrier Packaging

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free



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

52271Series

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)	10
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

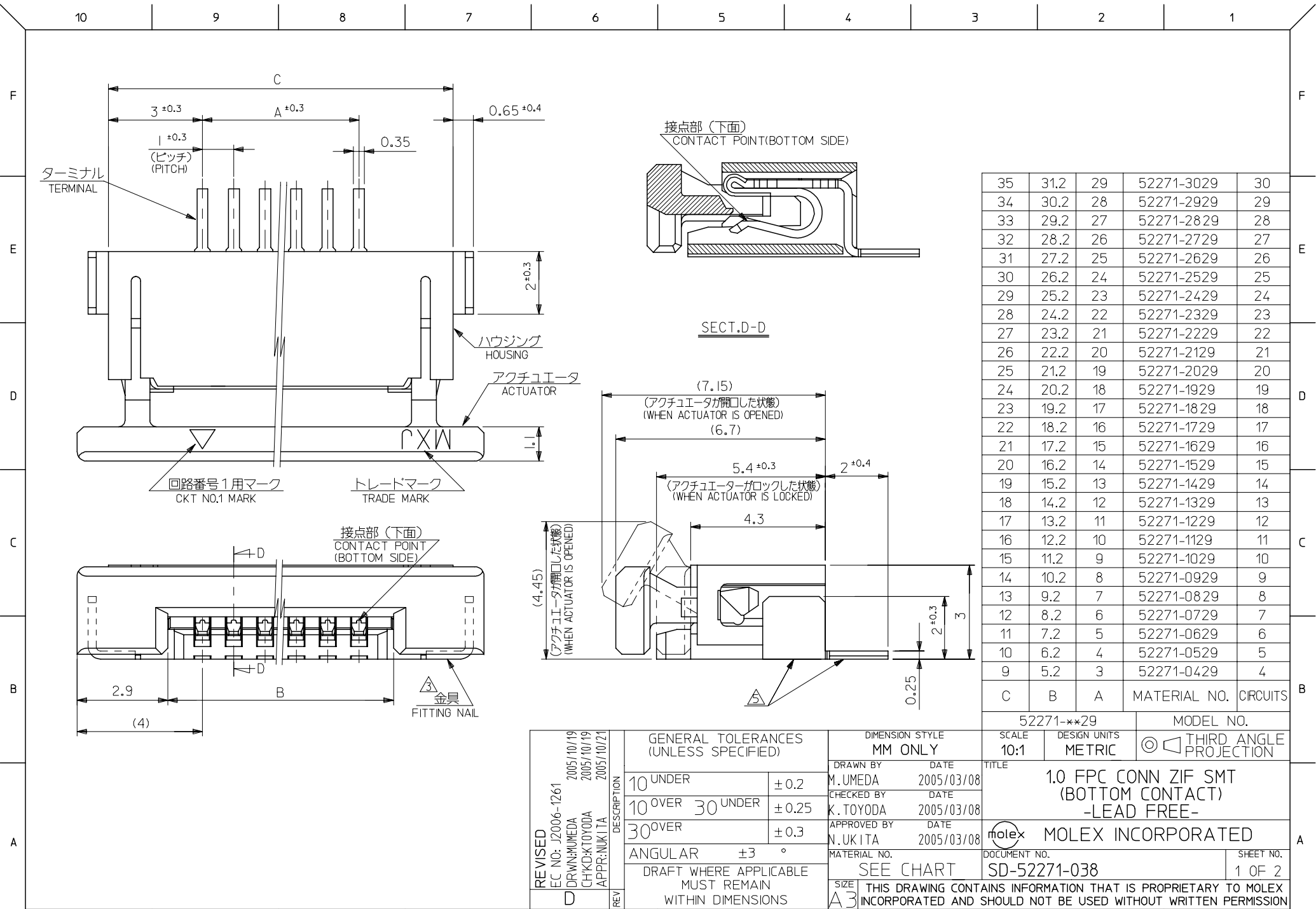
Material Info

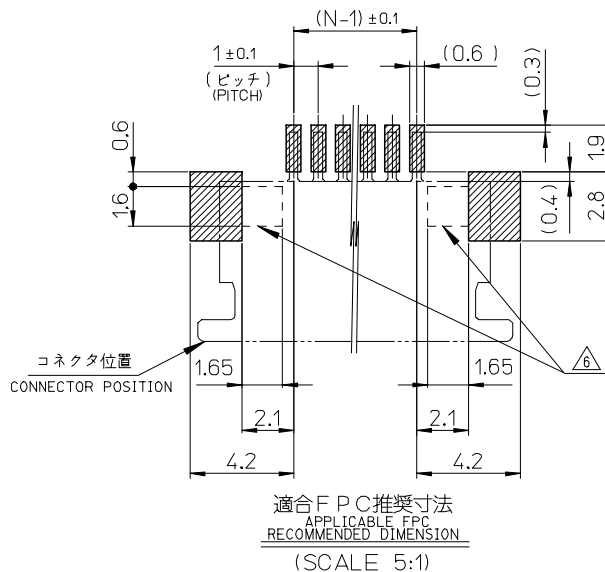
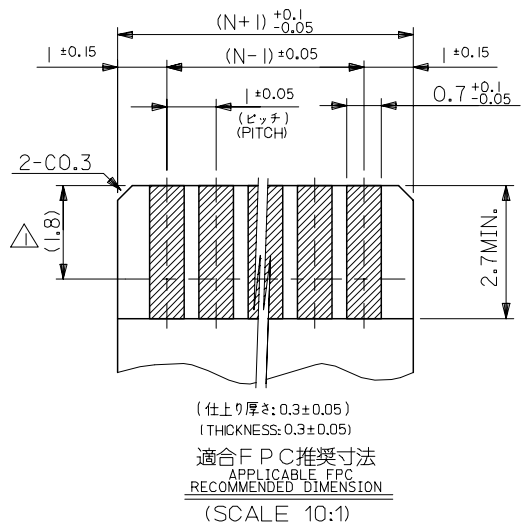
Reference - Drawing Numbers

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

This document was generated on 06/04/2010

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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.
金具 : 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.

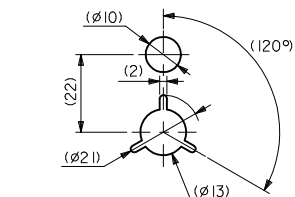
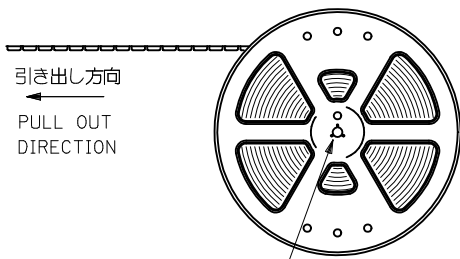
FPC について :

- 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。

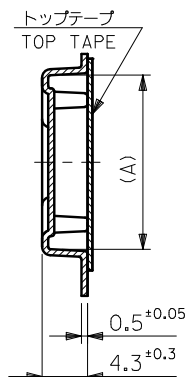
ABOUT FPC :

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

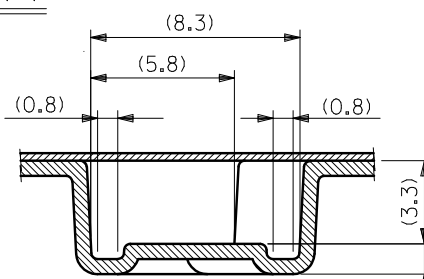
REVISED	EC NO: J2006-1261	2005/10/19	DRWN:UMEDA	2005/10/19	CHKD:KTOYODA	2005/10/19	APPR:NUKITA	2005/10/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
										10 UNDER	±0.2	DRAWN BY M.UMEDA	DATE 2005/03/08	TITLE 1.0 FPC CONN ZIF SMT (BOTTOM CONTACT) -LEAD FREE-				
										10 OVER 30 UNDER	±0.25	CHECKED BY K. TOYODA	DATE 2005/03/08					
										30 OVER	±0.3	APPROVED BY N. UKITA	DATE 2005/03/08	MOLEX INCORPORATED				
										ANGULAR ±3 °		MATERIAL NO.						
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-52271-038			2 OF 2	
D	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																



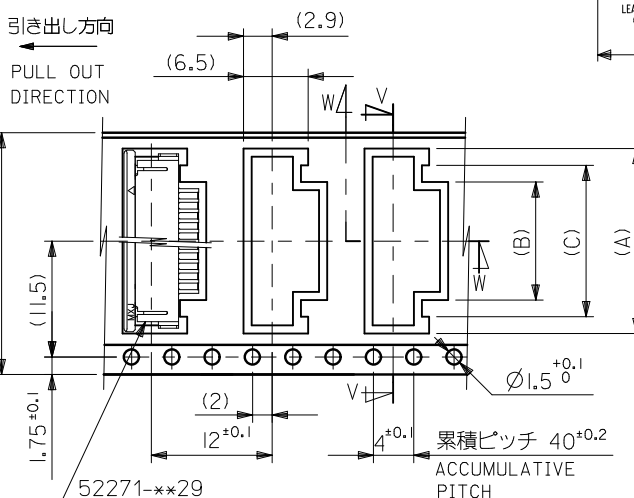
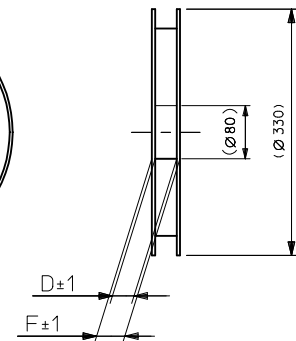
DETAIL "E"



SECT. V-V

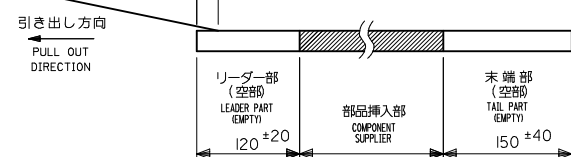


SECT. W-W



NOTES

- 製品番号 52271-**29 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-52271-038 を参照下さい。
IN THE PACKAGE, ACTUATOR OF PART NO. 52271-**29 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52271-038.
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS: 1000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH
トップテープ リーダー部 TOP TAPE LEADER PART 175 ±25
トップテープ 未接層部 TOP TAPE NON-BONDED PART 25 ±5
- カバーテープの剥離強度については、IEC60286-3に準拠
COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3
- 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE): ポリプロピレン (POLYPROPYLENE)
トップテープ (TOP TAPE): PET, PE, PEF
リール (REEL): ポリスチレン (PS) <リサイクル材を含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>
- 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.



24	29.4	25.4	15	11.4	18.3	52271-1169	11
			14	10.4	17.3	52271-1069	10
			12	8.4	15.3	52271-0869	8
			11	7.4	14.3	52271-0769	7
			10	6.4	13.3	52271-0669	6
			9	5.4	12.3	52271-0569	5
キャリアテープ幅 CARRIER TAPE WIDTH	F	D	8	4.4	11.3	52271-0469	4
			(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO: J2010-2474 DRWN: YUHASEGAWA 2010/06/08 CHKD: K. TOYODA 2010/06/08 APPR: KMORI KAWA 2010/06/09	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		52271-**69 SCALE --- DESIGN UNITS METRIC		MODEL NO.	
		10 UNDER ±0.2		DRAWN BY M. UEDA DATE 2005/03/08		TITLE		THIRD ANGLE PROJECTION	
		10 OVER 30 UNDER ±0.25		CHECKED BY K. TOYODA DATE 2005/03/08		EMBOSSD TAPE PACKAGE FOR 52271-**29 -LEAD FREE-		MOLEX INCORPORATED	
		30 OVER ±0.3		APPROVED BY N. UKITA DATE 2005/03/08		DOCUMENT NO. SD-52271-039		SHEET NO. 1 OF 4	
G	REV	ANGULAR ±3 °		MATERIAL NO.		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3					

10 9 8 7 6 5 4 3 2 1

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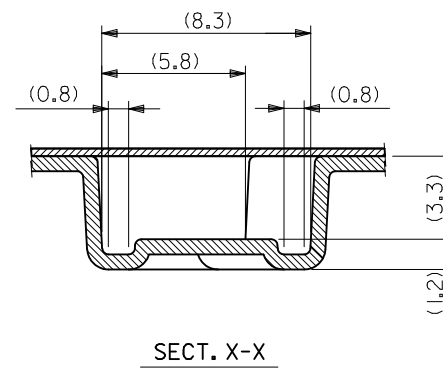
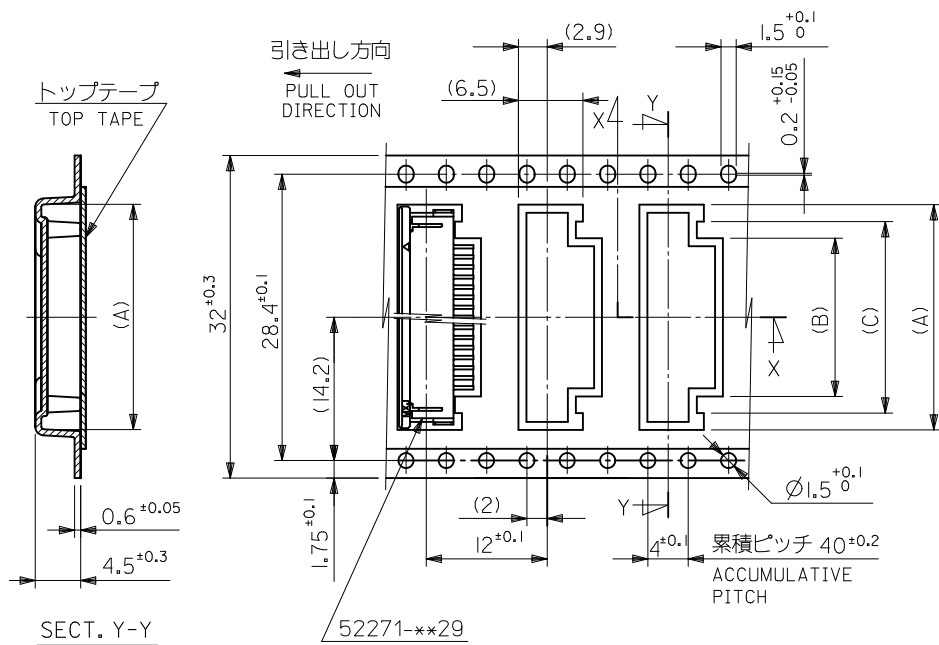
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32	37.4	33.4	20	16.4	23.35	52271-1669	16
			19	15.4	22.35	52271-1569	15
			18	14.4	21.35	52271-1469	14
			17	13.4	20.35	52271-1369	13
			16	12.4	19.35	52271-1269	12
キャリアテープ幅 CARRIER TAPE WIDTH	F	D	(C)	(B)	(A)	MATERIAL NO.	極 数 CKT.

REVISED EC NO: J2010-2474 DRWN: YU HASEGAWA 2010/06/08 CHKD: 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		
		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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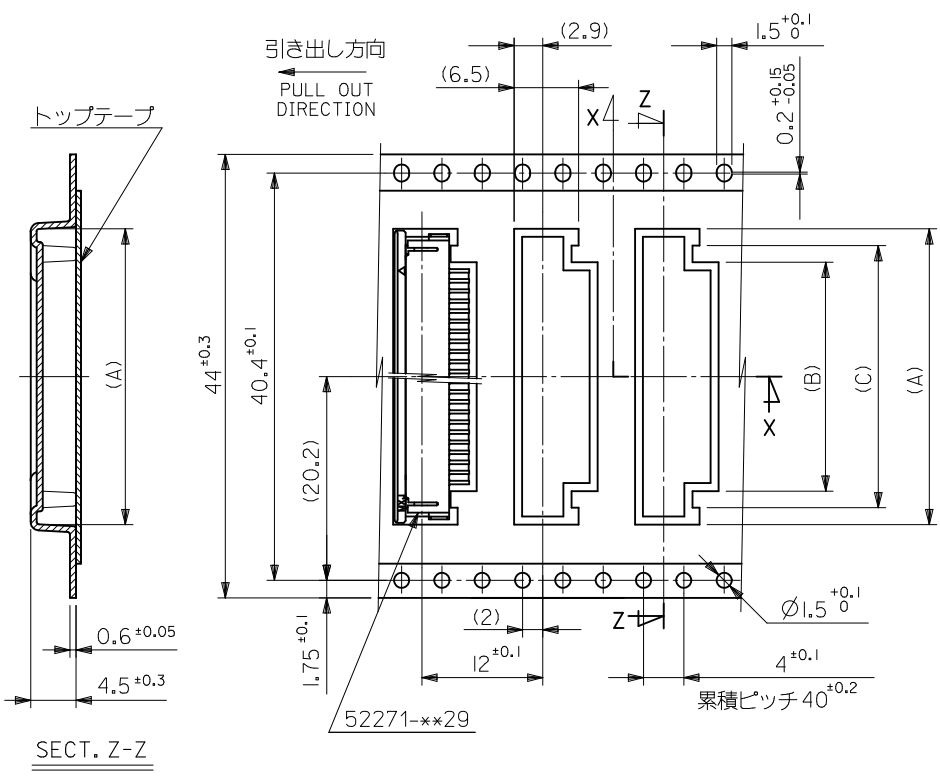
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44	49.4	45.4	31	27.4	34.35	52271-2769	27
			29	25.4	32.35	52271-2569	25
			28	24.4	31.35	52271-2469	24
			26	22.4	29.35	52271-2269	22
			25	21.4	28.35	52271-2169	21
			24	20.4	27.35	52271-2069	20
			23	19.4	26.35	52271-1969	19
			22	18.4	25.35	52271-1869	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:KMORIKAWA 2010/06/09	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		---	METRIC			
		10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/03/08	TITLE EMBOSSD TAPE PACKAGE FOR 52271-**29 -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOYODA	DATE 2005/03/08					
		30 OVER	± 0.3	APPROVED BY N. UKITA	DATE 2005/03/08	 MOLEX INCORPORATED				
	ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.					
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52271-039			3 OF 4	
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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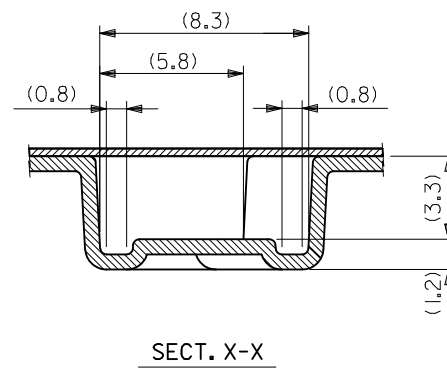
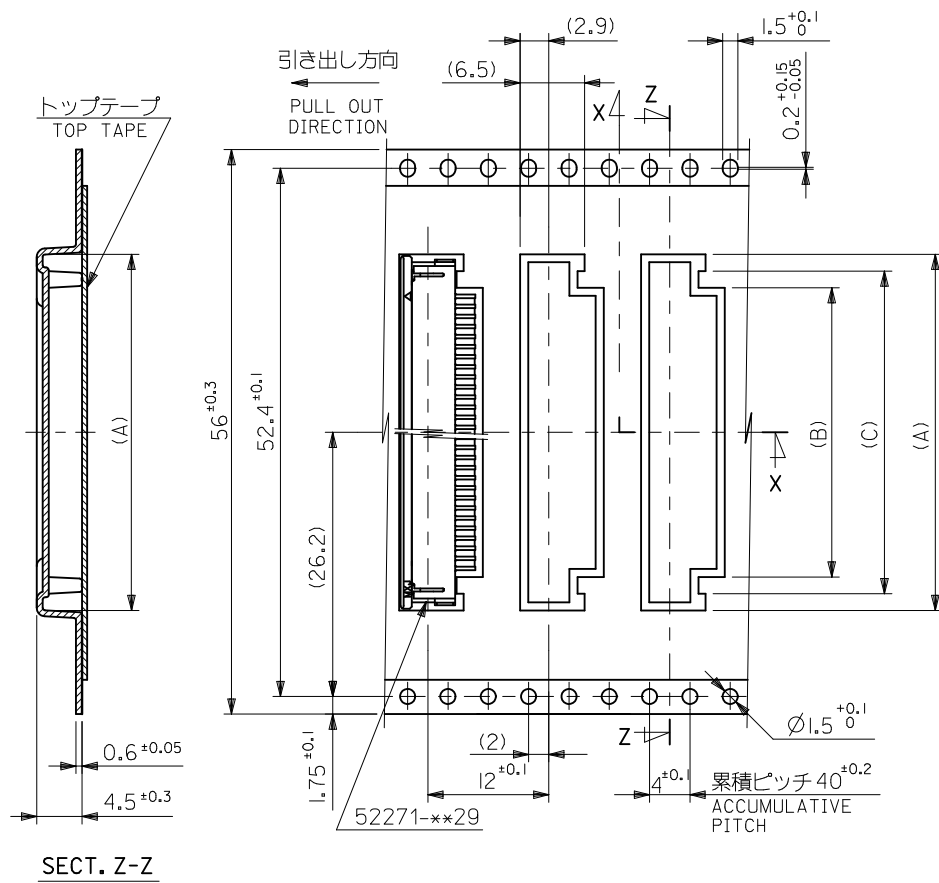
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56	61.4	57.4	34	30.4	37.35	52271-3069	30
			32	28.4	35.35	52271-2869	28
キャリアテープ幅 CARRIER TAPE WIDTH			(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

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 EMBOSSED TAPE PACKAGE FOR 52271-**29 -LEAD FREE-
									10 UNDER	± 0.2	M. UMEDA	2005/03/08	MOLEX MOLEX INCORPORATED				
									10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE					
									30 OVER	± 0.3	K. TOYODA	2005/03/08					
									ANGULAR ± 3 °		N. UKITA	2005/03/08	DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52271-039				4 OF 4									
G	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															

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