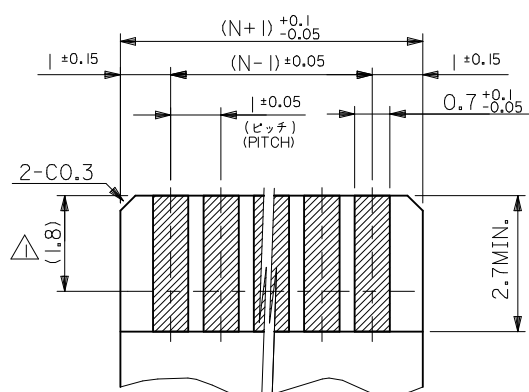
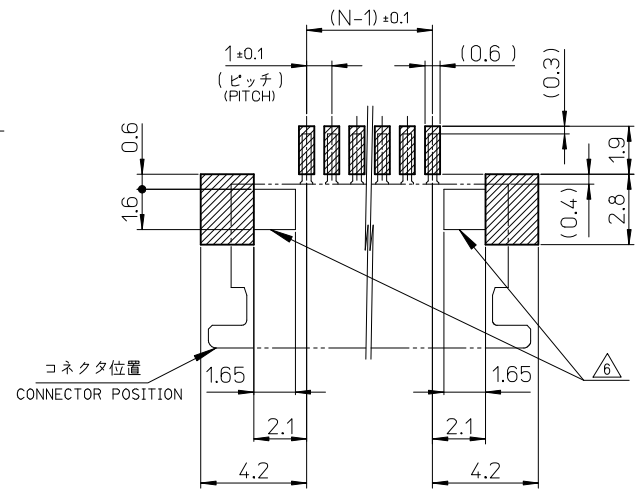


35	31.2	29	52271-3069	30
34	30.2	28	52271-2969	29
33	29.2	27	52271-2869	28
32	28.2	26	52271-2769	27
31	27.2	25	52271-2669	26
30	26.2	24	52271-2569	25
29	25.2	23	52271-2469	24
28	24.2	22	52271-2369	23
27	23.2	21	52271-2269	22
26	22.2	20	52271-2169	21
25	21.2	19	52271-2069	20
24	20.2	18	52271-1969	19
23	19.2	17	52271-1869	18
22	18.2	16	52271-1769	17
21	17.2	15	52271-1669	16
20	16.2	14	52271-1569	15
19	15.2	13	52271-1469	14
18	14.2	12	52271-1369	13
17	13.2	11	52271-1269	12
16	12.2	10	52271-1169	11
15	11.2	9	52271-1069	10
14	10.2	8	52271-0969	9
13	9.2	7	52271-0869	8
12	8.2	6	52271-0769	7
11	7.2	5	52271-0669	6
10	6.2	4	52271-0569	5
9	5.2	3	52271-0469	4
C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	CIRCUITS
			52271-**-29	CONNECTOR SERIES NO.

REVISED EC NO: J2012-1390 DRWN:KNAGUMO 2012/05/10 CHKD:KAKAHASHI 2012/05/10 APPR:KMORIKAWA 2012/05/17	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
	10 UNDER	±0.2	DRAWN BY M.UMEDA		DATE 2005/03/08		TITLE			
	10 OVER 30 UNDER	±0.25	CHECKED BY K.TOYODA		DATE 2005/03/08		1.0 FPC CONN ZIF SMT (BOTTOM CONTACT) -LEAD FREE- molex			
	30 OVER	±0.3	APPROVED BY N.UKITA		DATE 2005/03/08					
ANGULAR ±3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



(仕上り厚さ: 0.3±0.05)
(THICKNESS: 0.3±0.05)
適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(SCALE 10:1)



参考基板レイアウト
RECOMMENDED PCB
PATTERN DIMENSIONS(REF.)
(SCALE 5:1)

注記 NOTES

- △1 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.
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 COPPER 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.

- △3 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.54550-***29 SHOULD BE LOCKED.
- △5 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.
- △6 パターン書き込み禁止エリア
NO FOOT PRINT AREA.

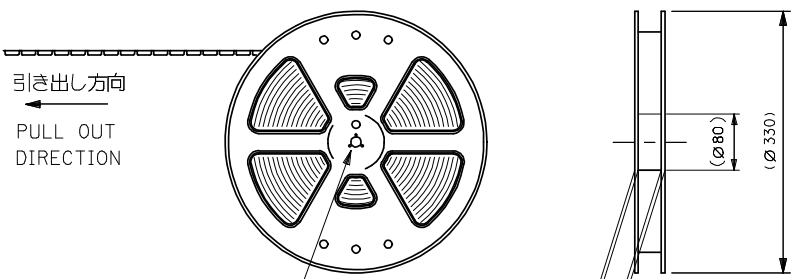
FPC について :

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。

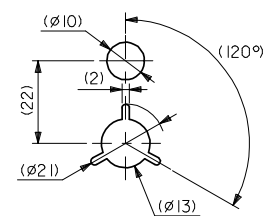
ABOUT FPC :

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

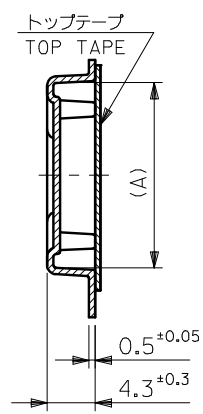
REVISED EC NO: J2012-1390 DRWN:KNAGUMO 2012/05/10 CHKD:KAKAHASHI 2012/05/10 APP:KMORIKAWA 2012/05/17	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY M.UMEDA	DATE 2005/03/08	TITLE 1.0 FPC CONN ZIF SMT (BOTTOM CONTACT) -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		
ANGULAR	±3 °	MATERIAL NO. SEE SHEET 1	DOCUMENT NO. SD-52271-038	SHEET NO. 2 OF 2		
	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			



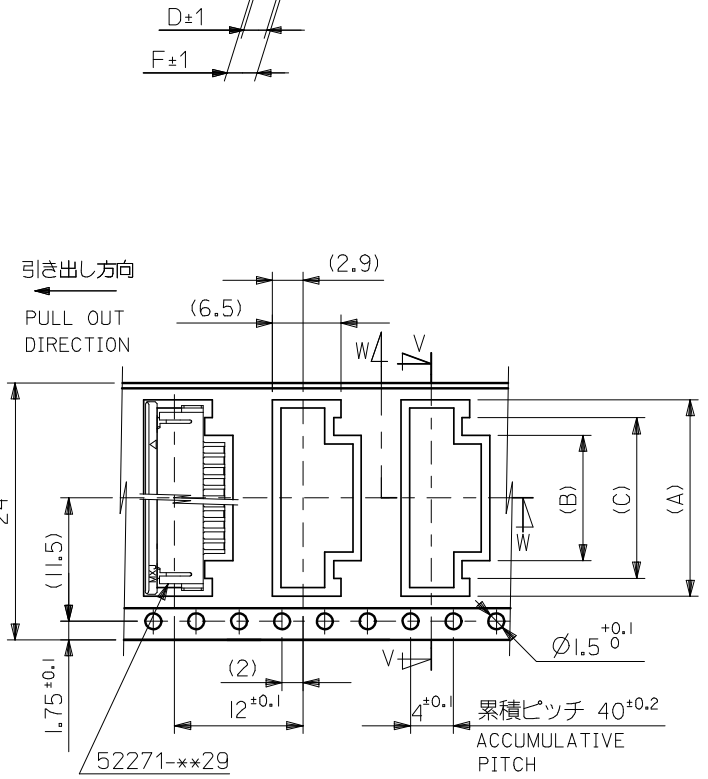
引き出し方向
←
PULL OUT
DIRECTION



DETAIL "E"

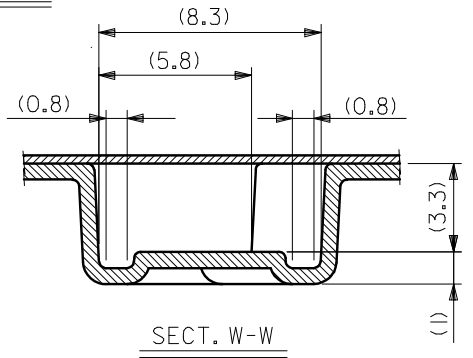


SECT. V-V



引き出し方向
←
PULL OUT
DIRECTION

累積ピッチ 40^{+0.2}
ACCUMULATIVE
PITCH

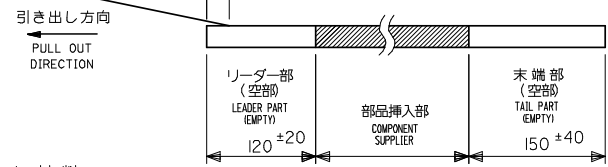


SECT. W-W

NOTES

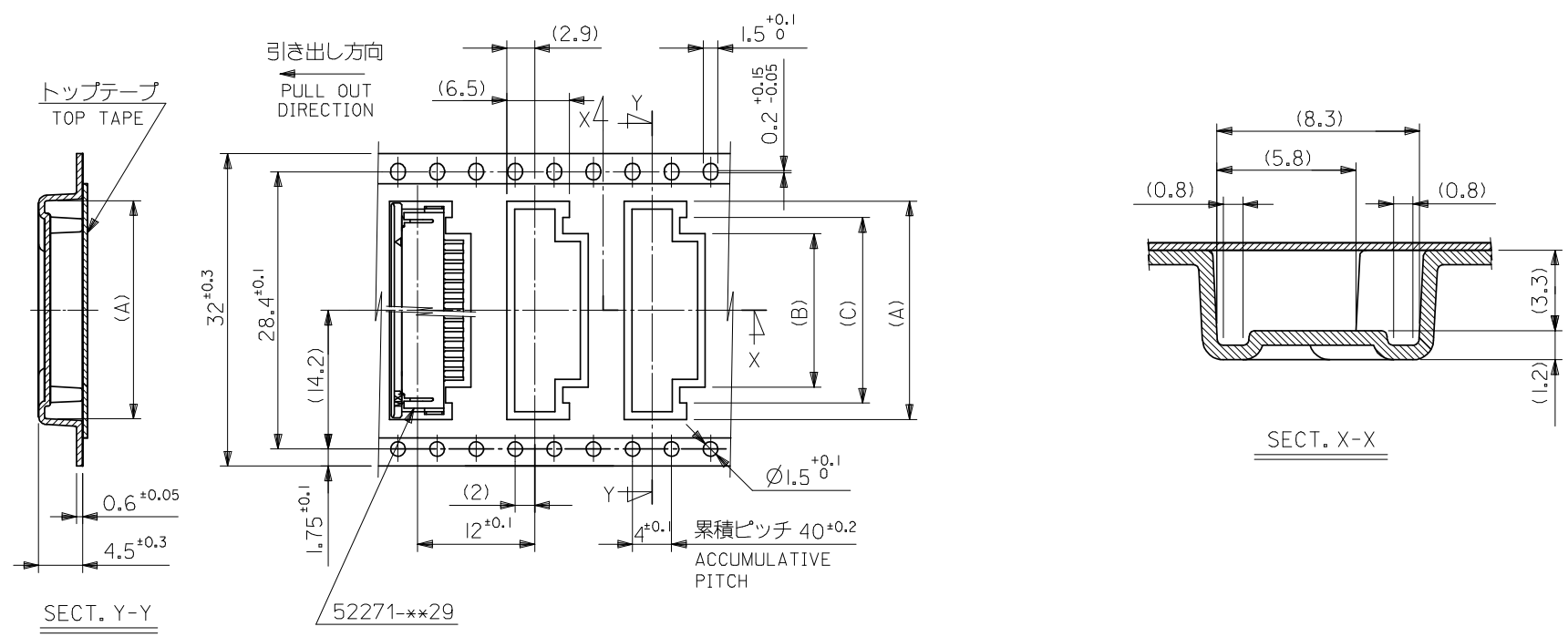
- 製品番号 52271-**29 の梱包状態はアクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR OF PART NO. 52271-**29 SHOULD BE LOCKED.
- 梱包数量：1000個/リール
NUMBER OF CONNECTORS : 1000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH

トップテープ リーダー部 TOP TAPE LEADER PART	トップテープ 未接着部 TOP TAPE NON-BONDED PART
175 ±25	25 ±5
- 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>
 POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS, PLEASE SEE THE DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
- 本製品は52271-**69の梱包違い品、シリカゲル入りハイバリア仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE INCLUDING SILICAGEL FOR 52271-**69.
- 開梱後の保管条件に注意のこと。(PS-52271-054参照)
REFER TO PS-52271-054 FOR CONDITIONS AFTER OPEN.
- ELV AND RoHS COMPLIANT.



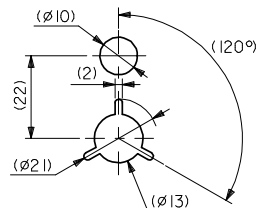
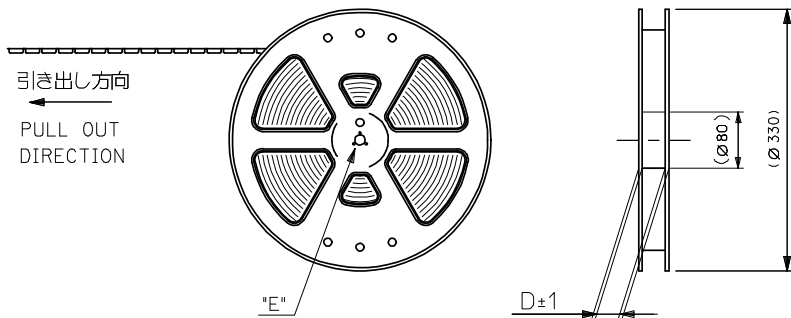
24	29.4	25.4	14	10.4	17.3	52271-1083	10
			12	8.4	15.3	52271-0883	8
			11	7.4	14.3	52271-0783	7
			9	5.4	12.3	52271-0583	5
キャリアテープ幅 CARRIER TAPE WIDTH	F	D	(C)	(B)	(A)	MATERIAL NO.	種数 CKT.

REVISED EC NO: J2008-4103 DRWN: YA0YAGI CHK: HMATSUMOTO APPR: NUKITA	DESCRIPTION 2008/06/02 2008/06/02 2008/06/02	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		52271-**83		MODEL NO.		
		10 UNDER ±---		DRAWN BY DATE Y. AOYAGI 2008/05/29		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION EMBOSSED TAPE PKG. FOR 52271-**29 HIGH BARRIER PKG.
		10 OVER 30 UNDER ±---		CHECKED BY DATE H. MATSUMOTO 2008/05/29		TITLE		MOLEX INCORPORATED		
		30 OVER ±---		APPROVED BY DATE N. UKITA 2008/05/29		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 1 OF 4
		ANGULAR ±--- °		SEE TABLE		SD-52271-041				
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						

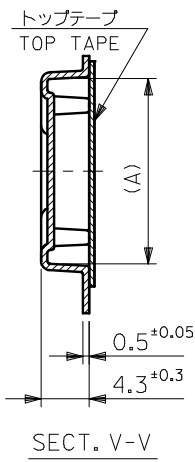


32	37.4	33.4	20	16.4	23.35	52271-1683	16
			19	15.4	22.35	52271-1583	15
			18	14.4	21.35	52271-1483	14
			17	13.4	20.35	52271-1383	13
			16	12.4	19.35	52271-1283	12
			(C)	(B)	(A)	MATERIAL NO.	種数 CKT.

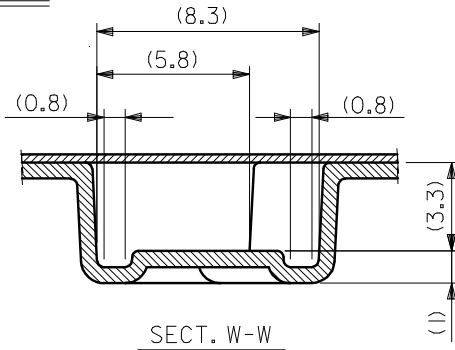
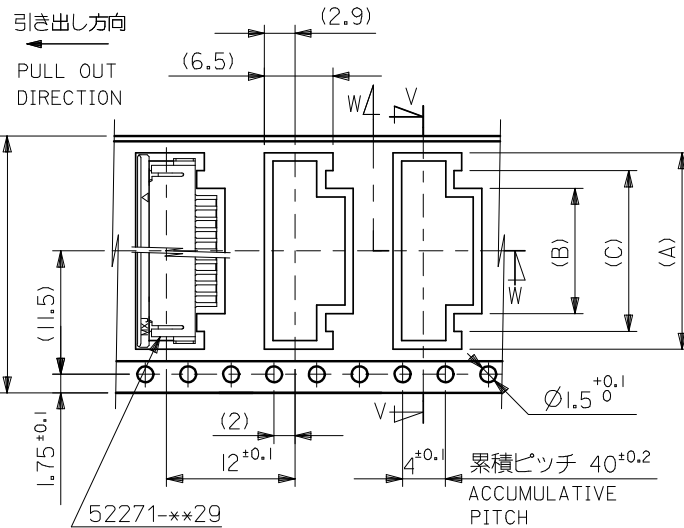
REVISED EC NO: J2008-4103 DRWN:YAoyagi CHKD:HMATSUMOTO APPR:NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	±---	DRAWN BY Y. AOYAGI	DATE 2008/05/29	TITLE EMBOSSSED TAPE PKG. FOR 52271-**29 HIGH BARRIER PKG.			
		10 OVER 30 UNDER	±---	CHECKED BY H. MATSUMOTO	DATE 2008/05/29				
		30 OVER	±---	APPROVED BY N. UKITA	DATE 2008/05/29	MOLEX INCORPORATED			
		ANGULAR	±---°	MATERIAL NO.	DOCUMENT NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52271-041		2 OF 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



DETAIL "E"



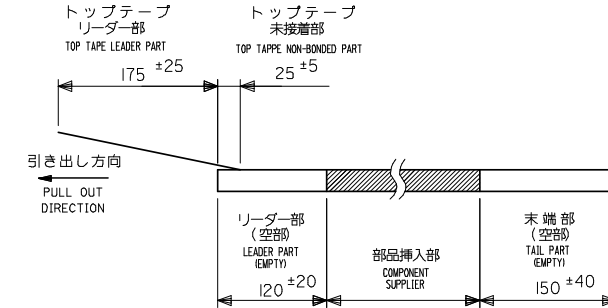
SECT. V-V



SECT. W-W

NOTES

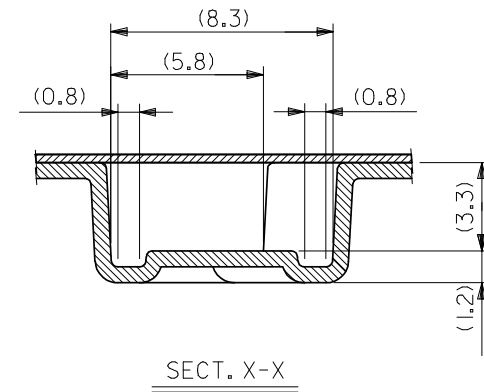
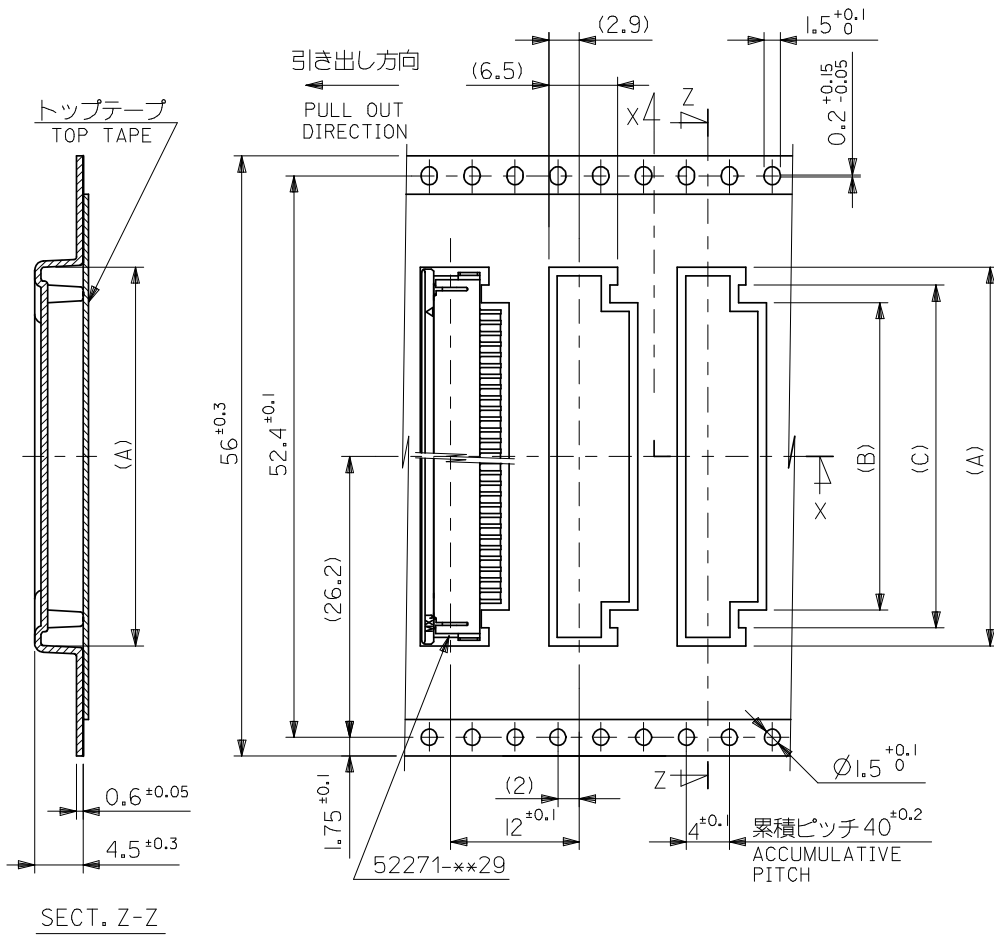
- 製品番号 52271-**29 の梱包状態はアクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR OF PART NO. 52271-**29 SHOULD BE LOCKED.
- 梱包数量：1000個/リール
NUMBER OF CONNECTORS : 1000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 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>
- 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS, PLEASE SEE THE DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
- 本製品は52271-**69の梱包違い品、シリカゲル入りハイバリア仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE INCLUDING SILICAGEL FOR 52271-**69.
- 開梱後の保管条件に注意のこと。(PS-52271-054参照)
REFER TO PS-52271-054 FOR CONDITIONS AFTER OPEN.
- ELV AND RoHS COMPLIANT.

24	29.4	25.4	15	11.4	18.3	52271-1183	11		
			14	10.4	17.3	52271-1083	10		
			12	8.4	15.3	52271-0883	8		
			11	7.4	14.3	52271-0783	7		
			9	5.4	12.3	52271-0583	5		
			8	4.4	11.3	52271-0483	4		
キャリアテープ幅 CARRIER TAPE WIDTH			F	D	(C)	(B)	(A)	MATERIAL NO.	種数 CKT.

RELEASED EC NO: J2008-4103 DRWN: YA0YAGI CHKD: HMATSUMOTO APPR: NUKITA	DESCRIPTION 2008/06/02 2008/06/02 2008/06/02	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		52271-**83		MODEL NO.			
		10 UNDER ±---		DRAWN BY DATE Y. AOYAGI 2008/05/29		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
		10 OVER 30 UNDER ±---		CHECKED BY DATE H. MATSUMOTO 2008/05/29		TITLE EMBOSSSED TAPE PKG. FOR 52271-**29 HIGH BARRIER PKG.					
		30 OVER ±---		APPROVED BY DATE N. UKITA 2008/05/29		MOLEX INCORPORATED				SHEET NO. 3 OF 4	
		ANGULAR ±--- °		MATERIAL NO.		SEE TABLE		DOCUMENT NO. SD-52271-041			
		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					



REVISED		EC NO: J2008-4103	2008/06/02	DRWN:YAoyagi	2008/06/02	CHK:HMATSUMOTO	2008/06/02	APPR:NUKITA	2008/06/02	DESCRIPTION	MODEL NO.52271-**83	56	61.4	57.4	34	30.4	37.35	52271-3083	30
A		REV		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		TITLE		MATERIAL NO.		種数	
10 UNDER		± ---		MM ONLY		DRAWN BY DATE		---		METRIC		EMBOSSD TAPE PKG. FOR 52271-**29 HIGH BARRIER PKG.		Y. AOYAGI 2008/05/29		52271-3083		30	
10 OVER 30 UNDER		± ---		CHECKED BY DATE		H. MATSUMOTO 2008/05/29		TITLE		MOLEX INCORPORATED		MATERIAL NO.		N. UKITA 2008/05/29		SD-52271-041		4 OF 4	
30 OVER		± ---		APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.		SEE TABLE		SHEET NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		4 OF 4		EN-02JA(021)	
ANGULAR		± --- °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		A3		4 OF 4		EN-02JA(021)							