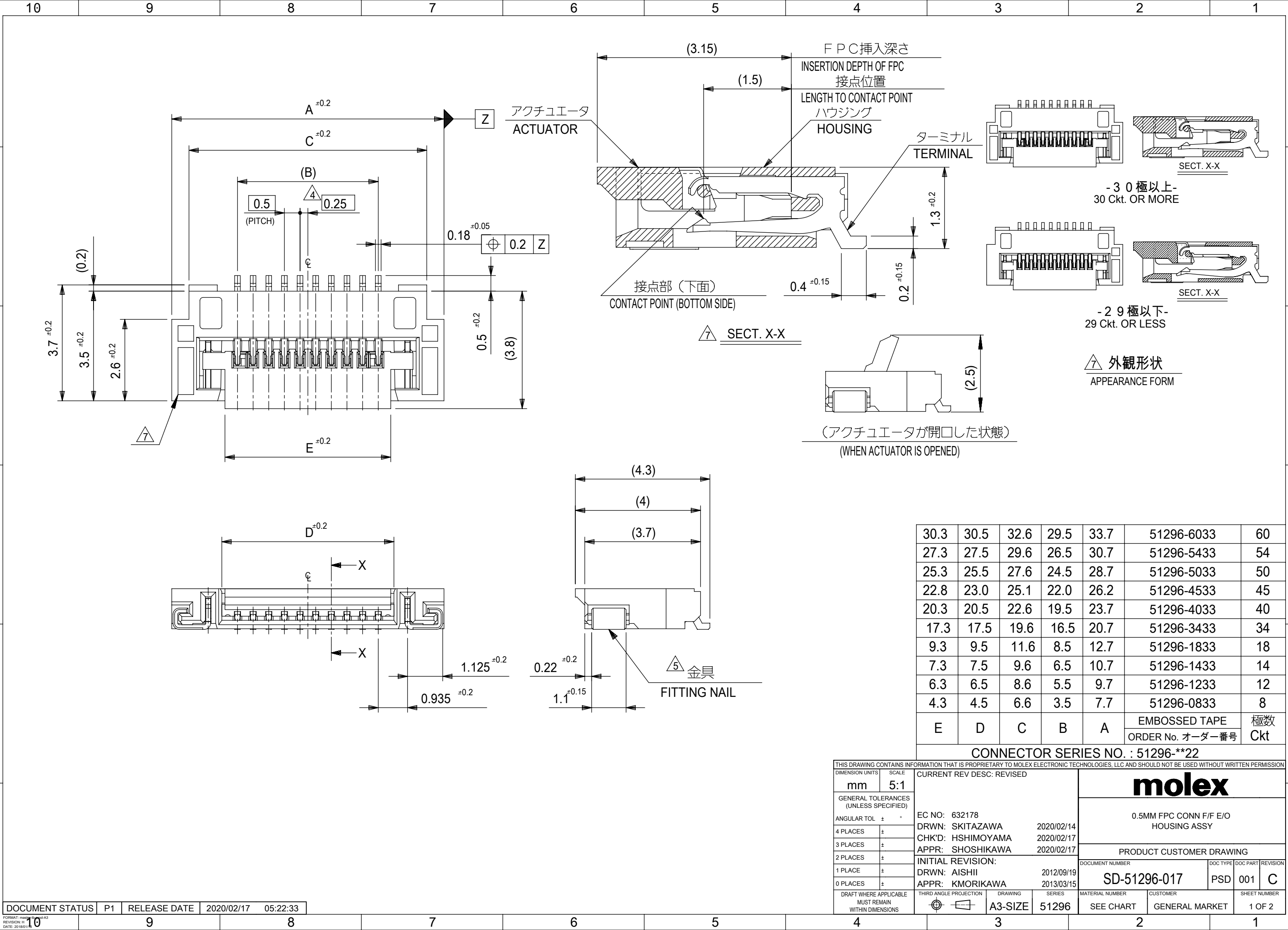
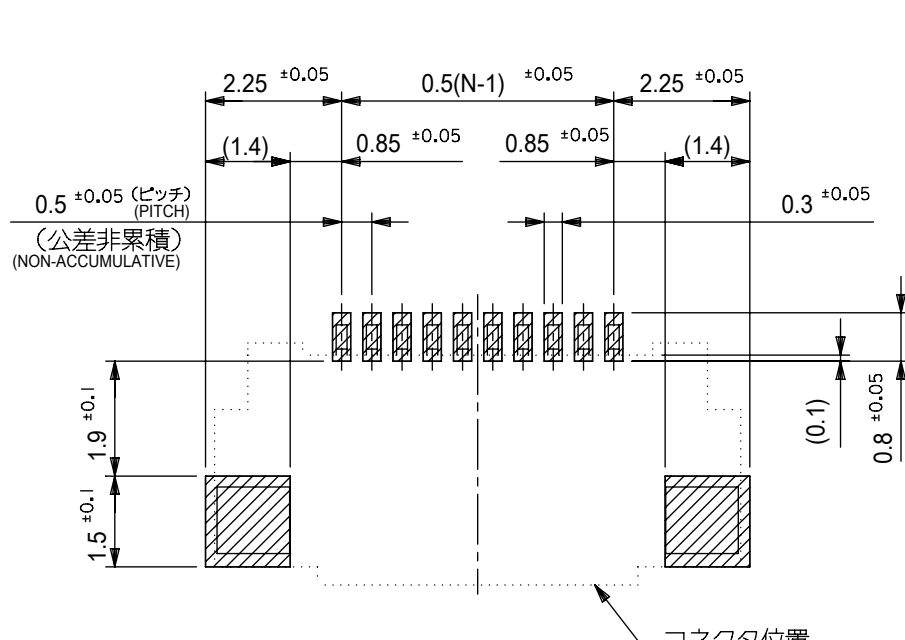




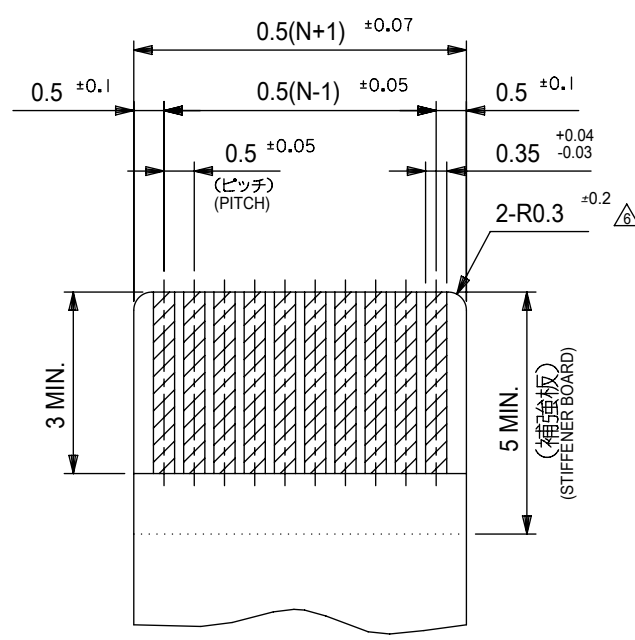
30.3	30.5	32.6	29.5	33.7	51296-6033	60
27.3	27.5	29.6	26.5	30.7	51296-5433	54
25.3	25.5	27.6	24.5	28.7	51296-5033	50
22.8	23.0	25.1	22.0	26.2	51296-4533	45
20.3	20.5	22.6	19.5	23.7	51296-4033	40
17.3	17.5	19.6	16.5	20.7	51296-3433	34
9.3	9.5	11.6	8.5	12.7	51296-1833	18
7.3	7.5	9.6	6.5	10.7	51296-1433	14
6.3	6.5	8.6	5.5	9.7	51296-1233	12
4.3	4.5	6.6	3.5	7.7	51296-0833	8
E	D	C	B	A	EMBOSSED TAPE	極数
					ORDER No. オーダー番号	Ckt

CONNECTOR SERIES NO. : 51296-**22

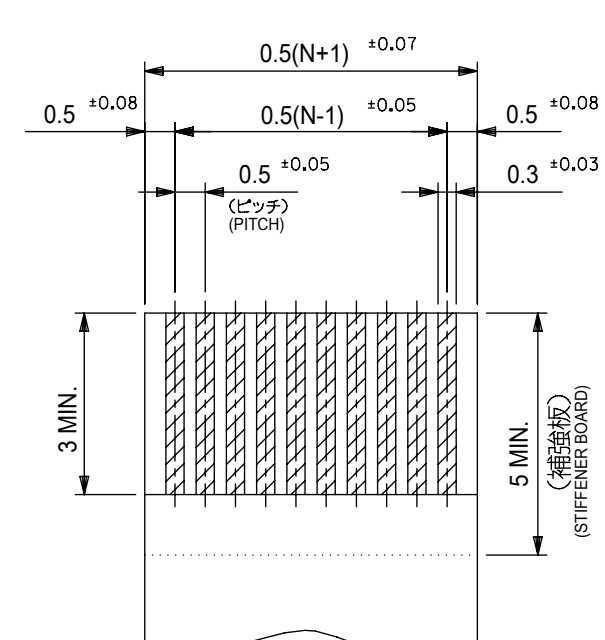
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED			molex						
mm		5:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)							0.5MM FPC CONN F/F E/O HOUSING ASSY						
ANGULAR TOL ± °													
4 PLACES		±					PRODUCT CUSTOMER DRAWING						
3 PLACES		±											
2 PLACES		±											
1 PLACE		±											
0 PLACES		±		DOCUMENT NUMBER			DOC TYPE		DOC PART	REVISION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				INITIAL REVISION:			SD-51296-017				PSD	001	C
				DRWN: AISHII									



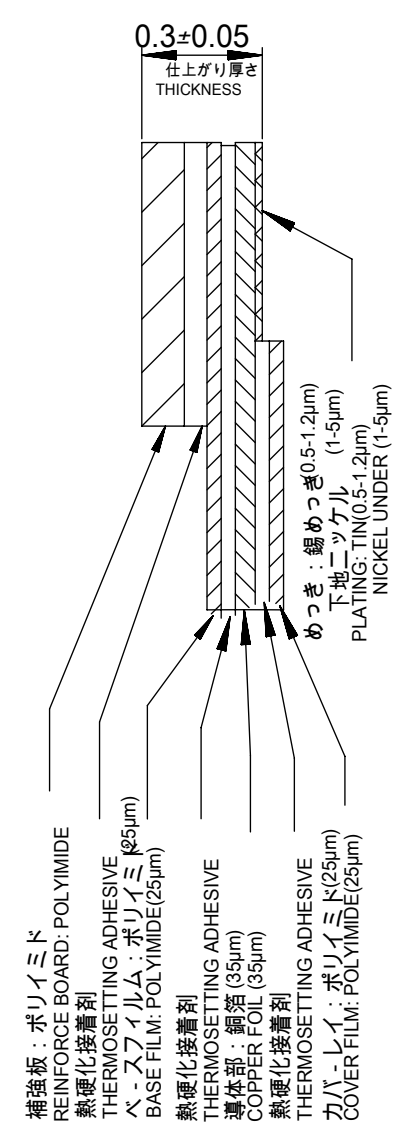
推奨基板レイアウト
P.C.BOARD PATTERN
DIMENSION (REF.)
(マウント面)
(MOUNTING SIDE)
マスク厚 : 100μm
マスク開口率 : 100%
SCREEN THICKNESS :100 MICROMETER
SCREEN OPEN RATIO :100%



適合F P C推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3 ±0.05)
(THICKNESS:0.3 ±0.05)



適合F F C推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3 ±0.05)
(THICKNESS:0.3 ±0.05)



FPC構成推奨仕様
STRUCTURE OF FPC

注記 NOTES

1. 使用材料 MATERIAL
ハウジング : 液晶ポリマー(LCP)、ページュ、ガラス充填、UL94V-0
HOUSING LIQUID CRYSTAL POLYMER, BEIGE, GLASS FILLED, UL94V-0
アクチュエータ : ポリアミド(PA)、黒、ガラス充填、UL94V-0
ACTUATOR POLYAMIDE, BLACK, GLASS FILLED, UL94V-0
ターミナル : リン青銅 (t=0.18)
TERMINAL PHOSPOR BRONZE
金具 : リン青銅 (t=0.15)
FITTING NAIL PHOSPOR BRONZE
2. メッキ仕様 PLATING
ターミナル TERMINAL
錫銀ビスマスメッキ (1.0μm以上)
TIN SILVER BISMUTH PLATING (1.0 MICROMETER MINIMUM)
下地 : ニッケルめっき (1.0μm以上)
UNDER PLATING:NICKEL PLATING (1.0 MICROMETER MINIMUM)
金具 FITTING NAIL
錫メッキ (1.0μm以上)
TIN PLATING (1.0 MICROMETER MINIMUM)
下地 : ニッケルめっき (1.0μm以上)
UNDER PLATING:NICKEL PLATING (1.0 MICROMETER MINIMUM)
3. エンボステープ梱包時は、アクチュエータが閉じた状態とする。
IN THE PACKAGE,ACTUATOR SHOULD BE CLOSED.
4. 偶数極に適用。
APPLY FOR EVEN CIRCUIT.
5. パターンはくり止め用具
FITTING NAIL FOR PREVENTION OF PEELING OF PCB PATTERN.
6. R0.3は、FPC導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
7. 極数によりハウジング形状が異なるので注意のこと。
THE HOUSING SHAPE IS DIFFERENT ACCORDING TO THE CIRCUIT.
8. テール及び金具の平坦度は、0.1ミリメートル以下とする。
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MILLMETERS.
9. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

FPCについて :

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します。

尚、接着剤の接点部への付着は導通不良の原因になりますので、

染み出しが無い様お願い致します。

ABOUT FPC:

RECOMMENDED PUNCHER DIRECTION:
FROM CONDUCTOR SIDE TO STIFFNER SIDE

RECOMMENDED MATERIAL : STIFFENER FILM POLYIMIDE

BONDING AGENT : THERMOSETTING AGENT

PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND
BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE
CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

FFC/FPCについて :

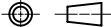
打抜き方向は導体側から補強板側を推奨致します。

導体部については軟銅箔35μmまたは50μmを推奨致します。

ABOUT FFC/FPC:

RECOMMENDED PUNCHER DIRECTION:
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.

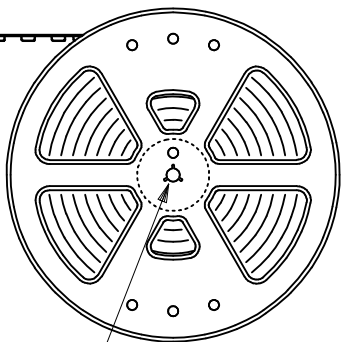
RECOMMENDED CONDUCTOR SPECIFICATION:
THICKNESS OF SOFT COPPER FOIL: 35MICROMETER OR 50 MICROMETER

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE	CURRENT REV DESC: REVISED				molex				
mm		5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 632178 DRWN: SKITAZAWA 2020/02/14 CHK'D: HSHIMOYAMA 2020/02/17 APPR: SHOSHIKAWA 2020/02/17				0.5MM FPC CONN F/F E/O HOUSING ASSY				
ANGULAR TOL ± °											
4 PLACES	±										
3 PLACES	±										
2 PLACES	±										
1 PLACE	±		INITIAL REVISION: DRWN: AISHII 2012/09/19 APPR: KMORIKAWA 2013/03/15				PRODUCT CUSTOMER DRAWING				
0 PLACES	±						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
							SD-51296-017		PSD	001	C
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE	51296	SEE CHART		GENERAL MARKET		2 OF 2	

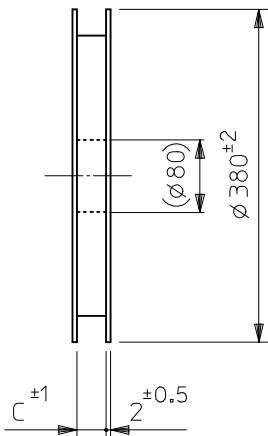
NOTES

- 製品詳細寸法については図面 SD-51296-017 を参照下さい。
RE DETAILED DIMENSION, SEE SD-51296-017.
- 梱包数量：3000個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH

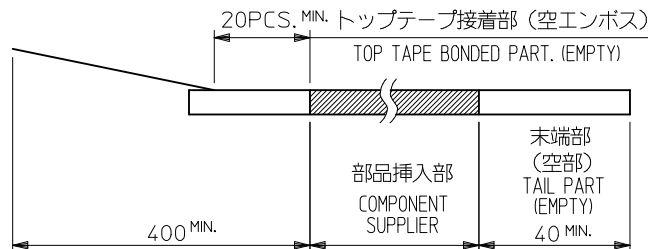
引き出し方向
PULL OUT
DIRECTION



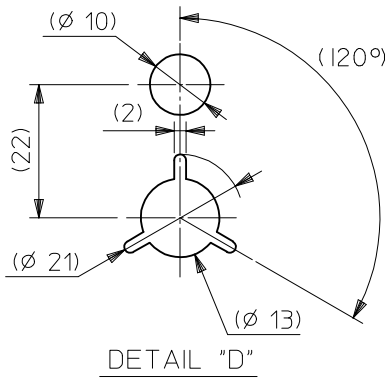
"D"



引き出し方向
PULL OUT
DIRECTION



- 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 IEC 60286-3.
- 材料
MATERIAL
キャリアテープ：ポリスチレン (PS)
CARRIER TAPE:POLYSTYRENE(PS)
トップテープ：ポリスチレン (PS)
TOP TAPE :POLYSTYRENE (PS)
リール：ポリスチレン (PS)
REEL:POLYSTYRENE
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT



DETAIL "D"

RELEASED EC NO: J2013-1002 2012/09/19 DRWNAISHII 2012/09/19 CHKDKATAHASHI 2012/09/19 APPR:KMORIKAWA 2013/03/15	DESCRIPTION REV 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		---	METRIC		
		10 UNDER		± ---	DRAWN BY	DATE	TITLE EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN F/F E/O HOUSING ASSY molex DOCUMENT NO.		SHEET NO. 1 OF 3
		10 OVER 30 UNDER		± ---	CHECKED BY	DATE			
		30 OVER		± ---	APPROVED BY	DATE			
	ANGULAR		± --- °	MATERIAL NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE CHART SD-51296-018 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

10

9

8

7

6

5

4

3

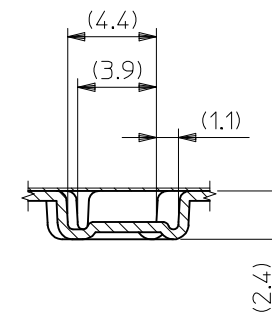
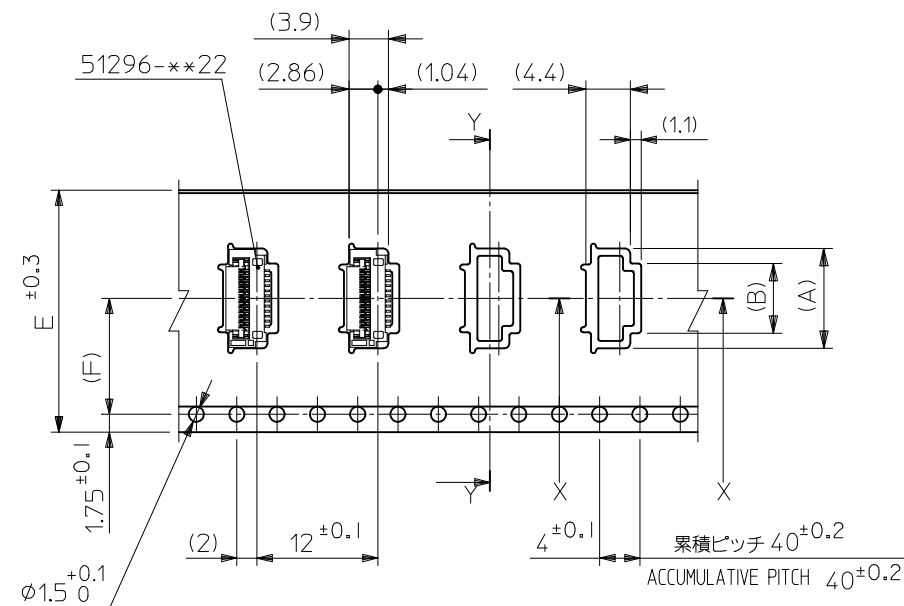
2

1

引き出し方向
PULL OUT DIRECTION

トップテープ
TOP TAPE

SECT. Y-Y

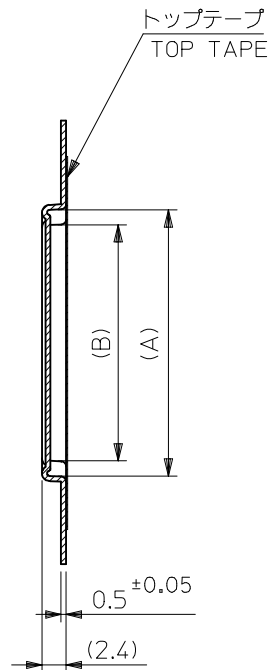


SECT. X-X

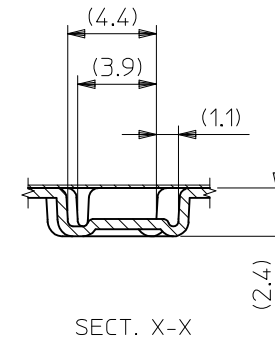
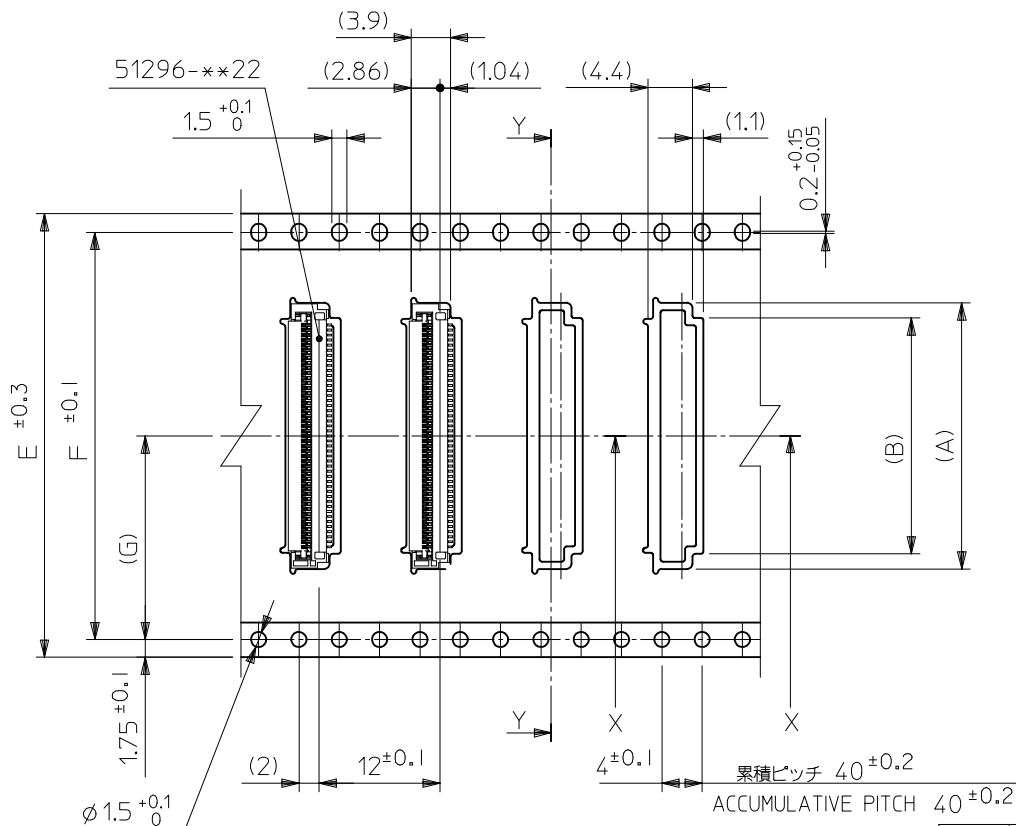
11.5	24	25.4	29.4	9.89	12.9	51296-1833	18
				7.89	10.9	51296-1433	14
				6.89	9.9	51296-1233	12
7.5	16	17.4	21.4	4.89	7.9	51296-0833	8
(F)	E	D	C	(B)	(A)	製品番号 MATERIAL No	極数 Ckt

SEE SHEET 1 OF 3 EC NO: J2013-1002 DRW: AISHII 2012/09/19 CHKD: TAKAHASHI 2012/09/19 APPR: KMORIKAWA 2013/03/15 REV 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY AISHII	DATE 2012/09/19	TITLE EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN F/F E/O HOUSING ASSY			
		10 OVER 30 UNDER	± ---	CHECKED BY TAKAHASHI	DATE 2012/09/19				
		30 OVER	± ---	APPROVED BY KMORIKAWA	DATE 2013/03/15				
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51296-018			2 OF 3	
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



SECT. Y-Y



26.2	52.4	56	57.4	61.4	30.89	33.9	51296-6033	60
					27.89	30.9	51296-5433	54
20.2	40.4	44	45.4	49.4	25.89	28.9	51296-5033	50
					23.39	26.4	51296-4533	45
					20.89	23.9	51296-4033	40
14.2	28.4	32	33.4	37.4	17.89	20.9	51296-3433	34
(G)	F	E	D	C	(B)	(A)	製品番号 MATERIAL No	極数 Ckt

SEE SHEET 1 OF 3 EC NO.: J2013-1002 DRW: AISHII CHKD: TAKAHASHI APPR: KMORIKAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	AISHII	2012/09/19	TITLE EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN F/F E/O HOUSING ASSY molex				
		10 OVER 30 UNDER	± ---	CHECKED BY	DATE					
		30 OVER	± ---	APPROVED BY	DATE					
		ANGULAR ± --- °		KMORIKAWA 2013/03/15		DOCUMENT NO. SD-51296-018				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SHEET NO. 3 OF 3					
			SEE CHART							
REV 0		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							