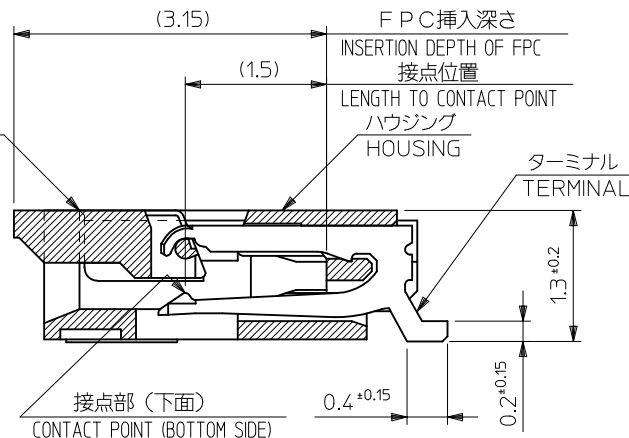
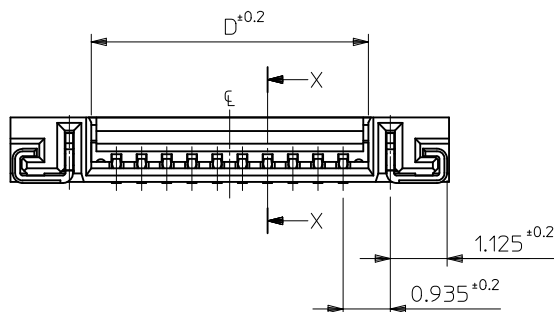
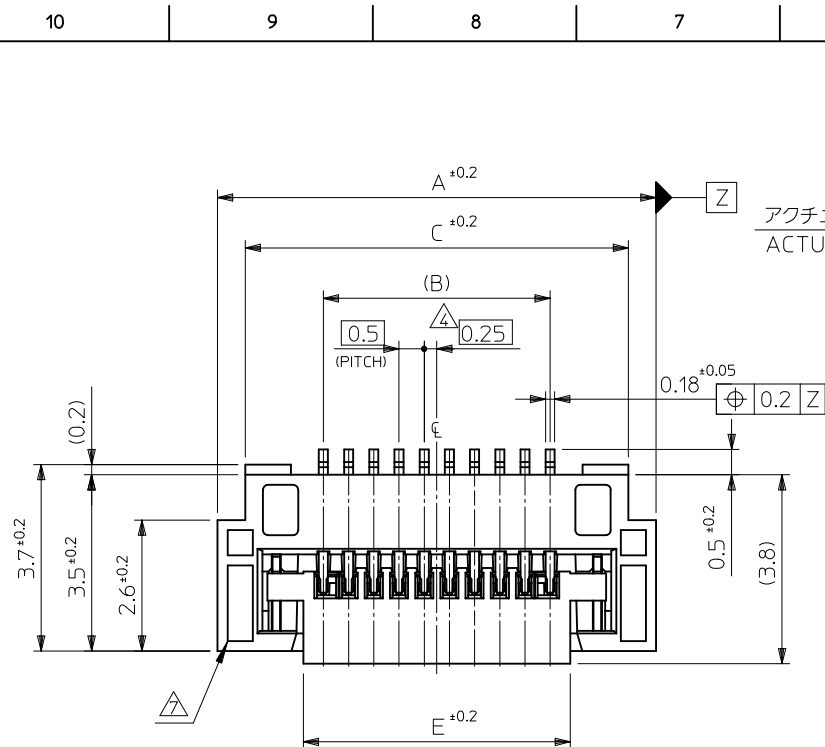
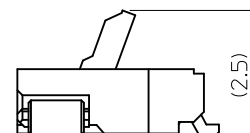
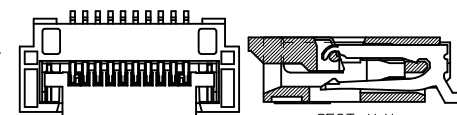
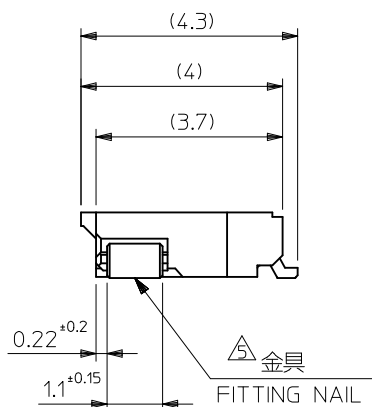




△ SECT. X-X

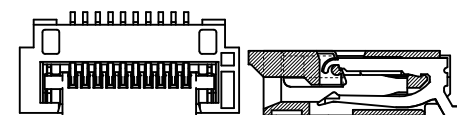


(アクチュエータが開いた状態)
(WHEN ACTUATOR IS OPENED)



SECT. X-X

-30 極以上-
30 Ckt. OR MORE



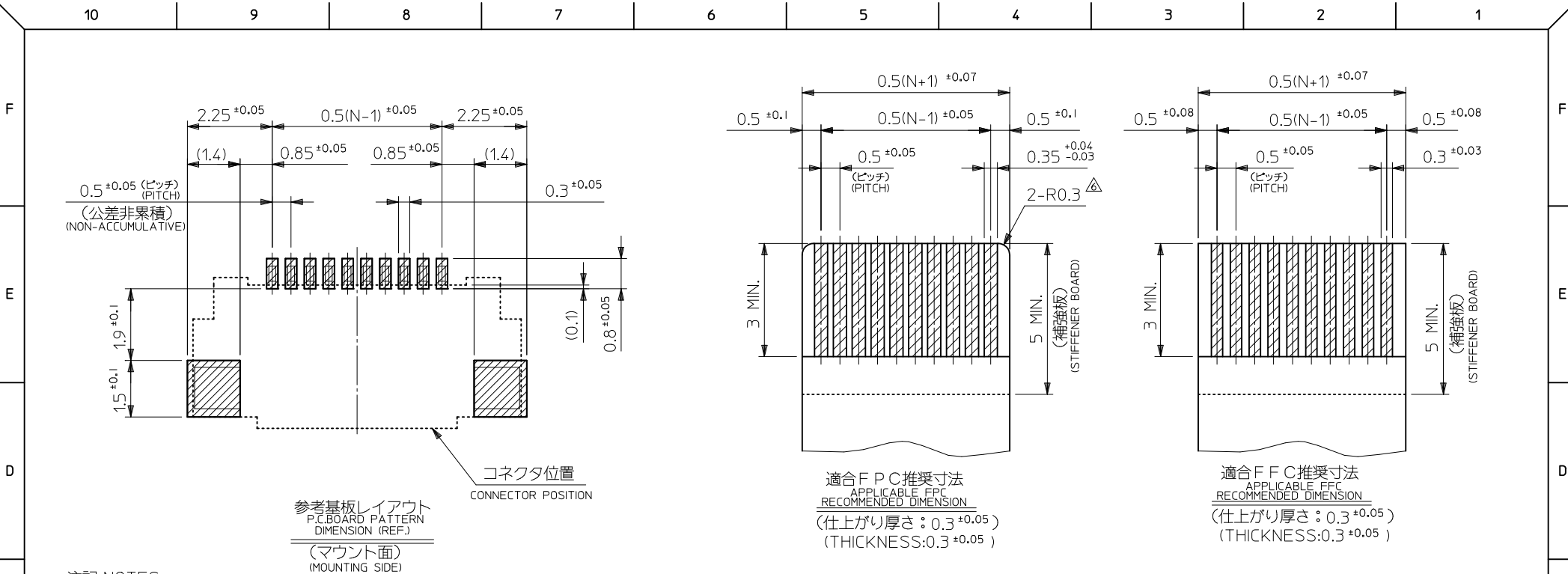
SECT. X-X

-29 極以下-
29 Ckt. OR LESS

△ 外形形状
APPEARANCE FORM

30.3	30.5	32.6	29.5	33.7	51296-6094	51296-6051	60
27.3	27.5	29.6	26.5	30.7	51296-5494	51296-5451	54
25.3	25.5	27.6	24.5	28.7	51296-5094	51296-5051	50
22.8	23.0	25.1	22.0	26.2	51296-4594	51296-4551	45
20.3	20.5	22.6	19.5	23.7	51296-4094	51296-4051	40
17.3	17.5	19.6	16.5	20.7	51296-3494	51296-3451	34
9.3	9.5	11.6	8.5	12.7	51296-1894	51296-1851	18
7.3	7.5	9.6	6.5	10.7	51296-1494	51296-1451	14
6.3	6.5	8.6	5.5	9.7	51296-1294	51296-1251	12
4.3	4.5	6.6	3.5	7.7	51296-0894	51296-0851	8
E	D	C	B	A	EMBOSSD TAPE	製品番号 MATERIAL No.	極数 Ckt
					ORDER No. オーダー番号	MODEL No. 151296-***51	

REVISED EC NO: J2011-0996 DRWN: KIMURAKAMI 2010/11/01 CHKD: APPR: KIMORI KAWA 2011/02/15 REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY M. UEDA	DATE 2005/02/22	TITLE 0.5 FPC CONN ZIF E/O HSG ASSY (HGT=1.3) -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KEN. SUZUKI	DATE 2005/02/22				
		30 OVER	± 0.3	APPROVED BY N. UKITA	DATE 2005/02/22	MOLEX INCORPORATED			
		ANGULAR ±1 °		MATERIAL NO. SEE TABLE					DOCUMENT NO. SD-51296-011
		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			



注記 NOTES

1. 使用材料 MATERIAL

ハウジング : 液晶ポリマー ガラス充填, UL94V-0 (ベージュ)
HOUSING : LIQUID CRYSTAL POLYMER GLASS FILLED, UL94V-0 (BEIGE)
アクチュエータ : ポリアミド 9T ガラス充填, UL94V-0 (黒)
ACTUATOR : POLYAMIDE 9T GLASS FILLED, UL94V-0 (BLACK)
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

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 OF PART NO.51296-**51 SHOULD BE CLOSED.
偶数極に適用。
APPLY FOR EVEN CIRCUIT.
パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF PCB PATTERN.
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.
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.



2. メッキ仕様 PLATING

ターミナル TERMINAL
コンタクト部: 金メッキ 0.1マイクロメートル以上
CONTACT AREA : GOLD 0.1 MICROMETER MINIMUM
テール部: 金メッキ 0.05マイクロメートル以上
TAIL AREA : GOLD 0.05 MICROMETER MINIMUM
下地メッキ: ニッケルメッキ 1.0マイクロメートル以上
UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM
金具 FITTING NAIL
銅メッキ 1.0マイクロメートル以上
TIN 1.0 MICROMETER MINIMUM
下地メッキ: ニッケルメッキ 1.0マイクロメートル以上
UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM

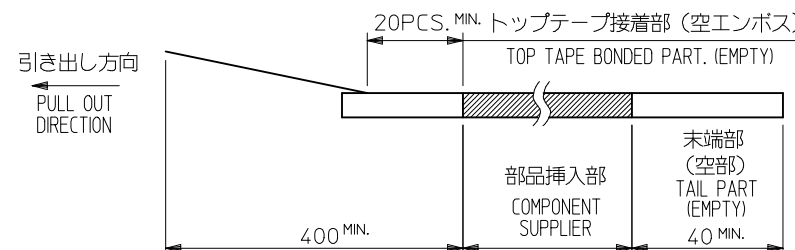
FPC/FFCについて:

打抜き方向は導体側から補強板側を推奨いたします。
導体部については軟銅箔35マイクロメートルまたは50マイクロメートルを推奨致します。
ABOUT FPC/FFC
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.
RECOMMENDED CONDUCTOR SPEC :
THICKNESS OF SOFT COPPER FOIL : 35 MICROMETER OR 50 MICROMETER
FPCについて:
補強フィルム材質はポリイミドを推奨します。
接着剤は熱硬化接着剤を推奨します。
ABOUT FPC
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

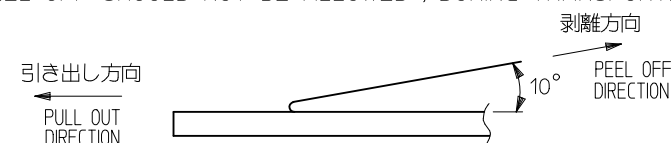
REVISED EC NO: J2011-0996 DRAWN: KIMURAKAMI 2010/11/01 CHKD: APPR: KIMORI KAWA 2011/02/15 REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
		10 UNDER	±0.2	DRAWN BY M.UMEDA	DATE 2005/02/22	TITLE 0.5 FPC CONN ZIF E/O HSG ASSY (HGT=1.3) -LEAD FREE- MOLEX INCORPORATED	DOCUMENT NO. SD-51296-011	SHEET NO. 2 OF 2				
		10 OVER 30 UNDER	±0.25	CHECKED BY KEN.SUZUKI	DATE 2005/02/22							
		30 OVER	±0.3	APPROVED BY N.UKITA	DATE 2005/02/22							
		ANGULAR ±1 °		MATERIAL NO. SEE TABLE								
		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						

NOTES

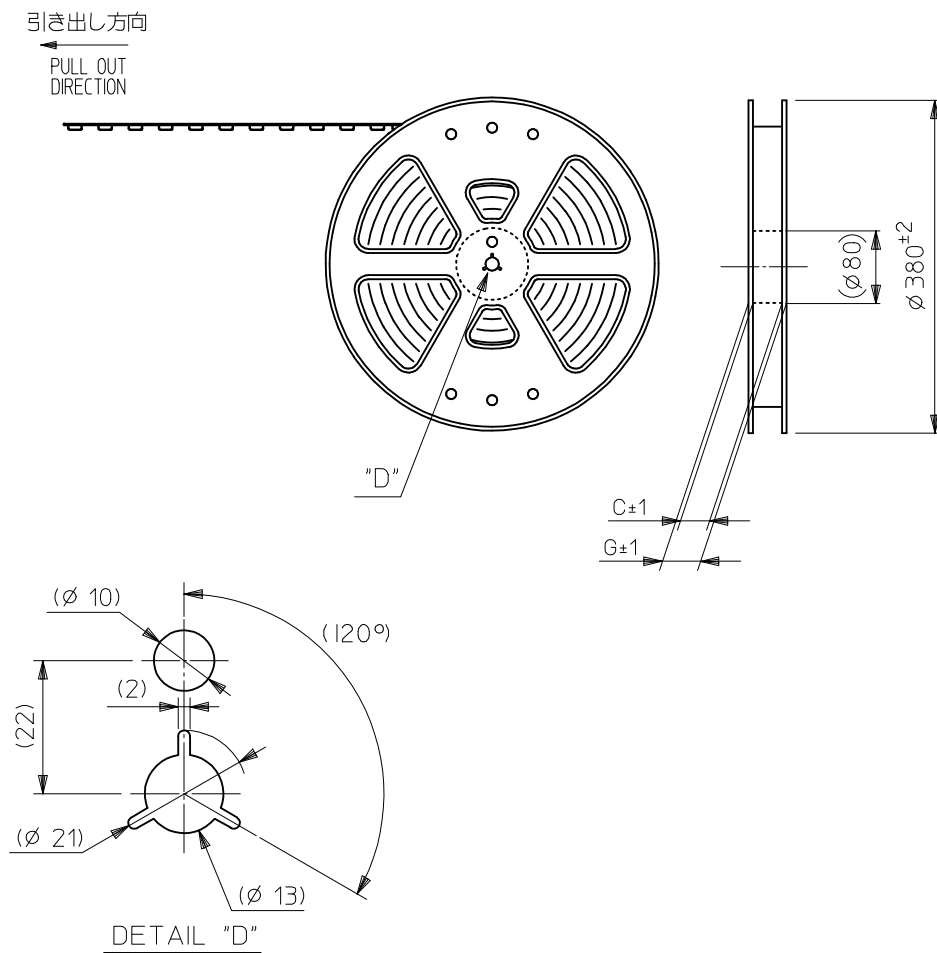
1. 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS, PLEASE SEE THE
DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
2. 梱包数量：3000個／リール
NUMBER OF CONNECTORS : 3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



4. トップテープの剥離強度：0.1N ～1.3N(10gf ～130gf)
(剥離方向は下図参照)
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こと。)
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.

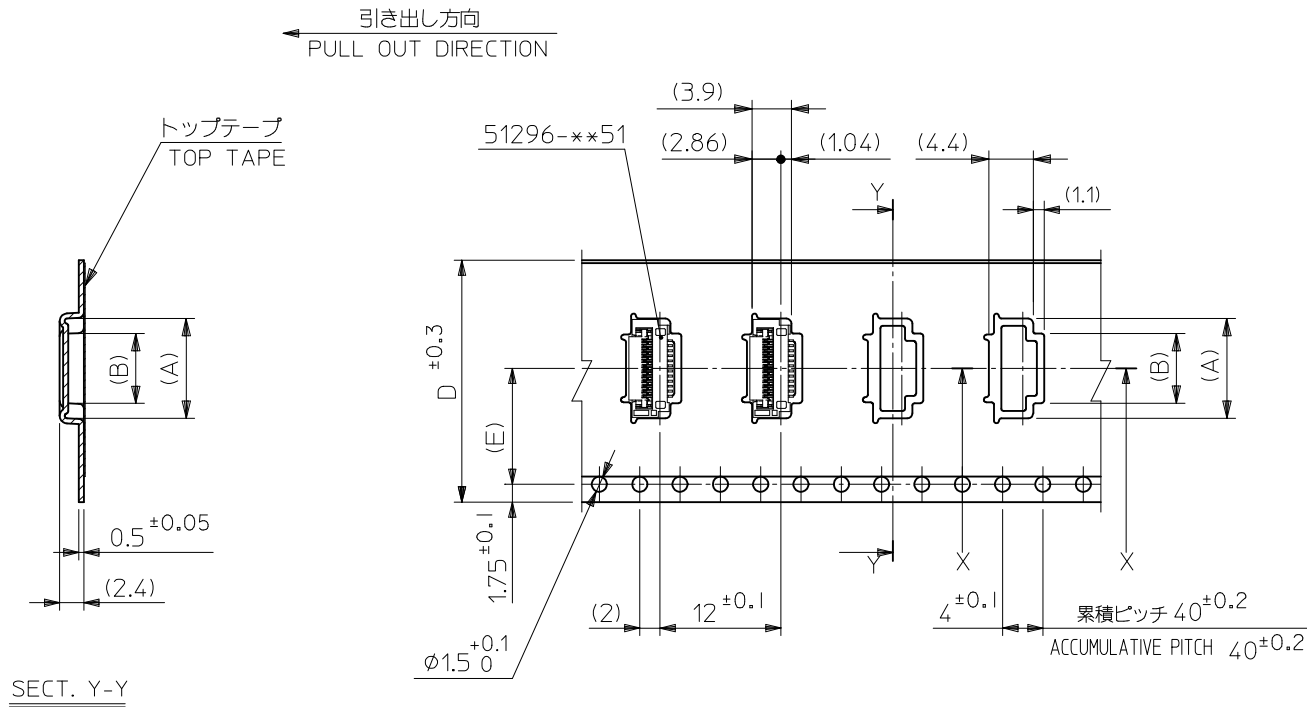


5. 材料(MATERIAL)
 キャリアテープ (CARRIER TAPE) :ポリプロピレン (POLYPROPYLENE)
 トップテープ (TOPTAPE) : PET, PE, PEF
 リール (REEL): ポリスチレン (PS) <リサイクル材を含む>
 POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>



REVISED	EC NO: J2009-0892			DRAWN: M. TAKAHASHI 03/2008/10/14			CHK'D: T. HARUYAMA 2008/10/14			APPR: N. UKITA 2008/10/14			DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		 THIRD ANGLE PROJECTION		MODEL NO.	
	10 UNDER		± 0.2		M. UEDA		2005/02/23		TITLE 0.5 FPC CONN EASY ON HGT=1.3MM EMBSTP PKG		MOLEX MOLEX INCORPORATED		DOCUMENT NO. SD-51296-012		SHEET NO. 1 OF 3											
	10 OVER 30 UNDER		± 0.25		CHECKED BY KEN. SUZUKI		2005/02/23																			
	30 OVER		± 0.3		APPROVED BY N. UKITA		2005/02/23																			
	ANGULAR		±1 °		MATERIAL NO.		SEE CHART																			
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																						

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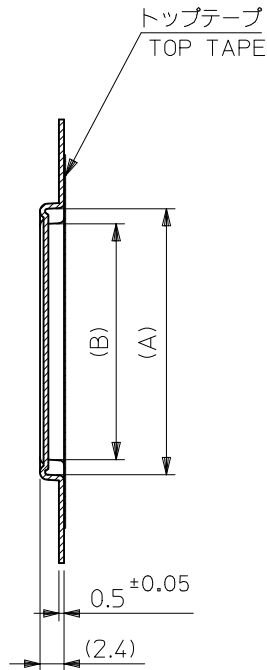


11.5	24	25.4	9.89	12.9	51296-1894	18
			7.89	10.9	51296-1494	14
			6.89	9.9	51296-1294	12
7.5	16	17.4	4.89	7.9	51296-0894	8
(E)	D	C	(B)	(A)	製品番号 MATERIAL No	極数 Ckt

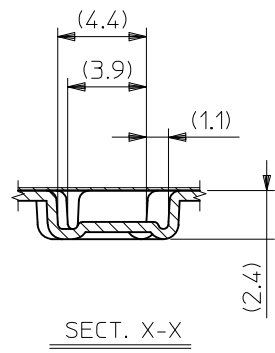
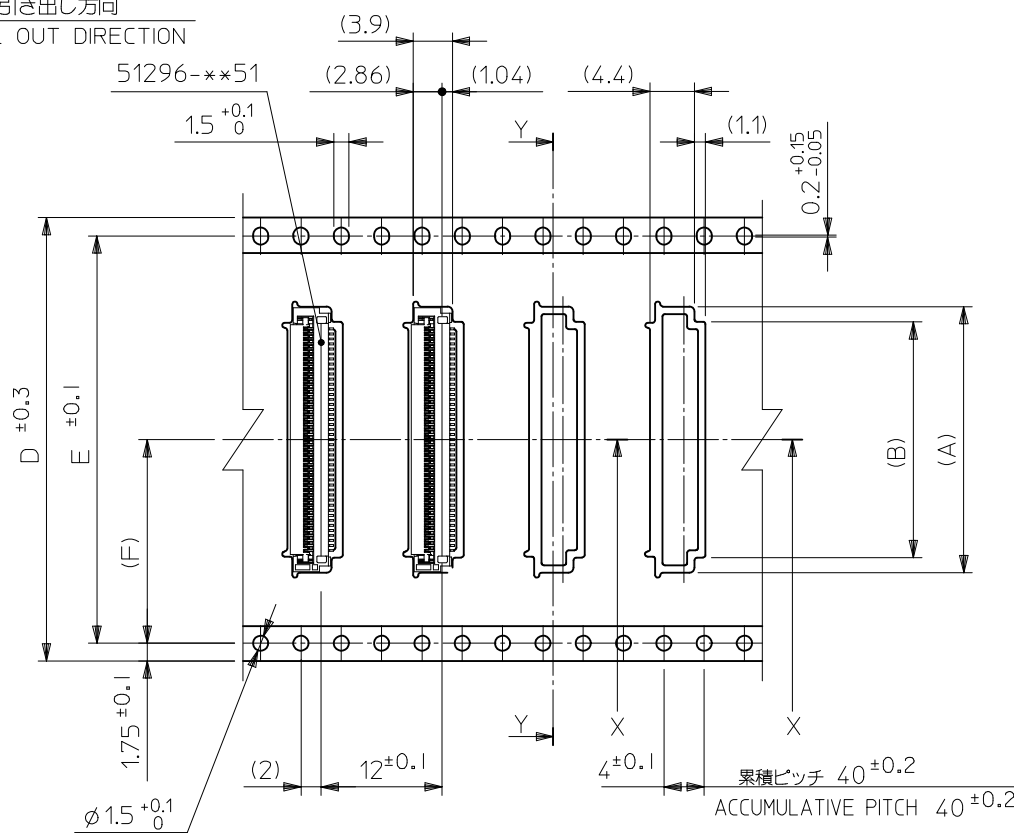
REVISED EC NO: J2009-0892 DRWN:MTAKASHI 03/2008/10/14 CHKD:THARUYAMA 2008/10/14 APPR:NUKITA 2008/10/14	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/02/23	TITLE 0.5 FPC CONN EASY ON HGT=1.3MM EMBSTP PKG MOLEX INCORPORATED				
		10 OVER 30 UNDER	± 0.25	CHECKED BY KEN.SUZUKI	DATE 2005/02/23					
		30 OVER	± 0.3	APPROVED BY N.UKITA	DATE 2005/02/23					
	REV	ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51296-012		2 OF 3		
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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引き出し方向
PULL OUT DIRECTION



SECT. Y-Y



SECT. X-X

累積ピッチ 40 ±0.2
ACCUMULATIVE PITCH 40 ±0.2

61.4	26.2	52.4	56	57.4	30.89	33.9	51296-6094	60
49.4	20.2	40.4	44	45.4	27.89	30.9	51296-5494	54
					25.89	28.9	51296-5094	50
					23.39	26.4	51296-4594	45
37.4	14.2	28.4	32	33.4	20.89	23.9	51296-4094	40
					17.89	20.9	51296-3494	34
G	(F)	E	D	C	(B)	(A)	製品番号 MATERIAL No	極数 Ckt

REVISED EC NO: J2009-0892 DRWN:MTAKAHASHI 03/2008/10/14 CHKD:THARUYAMA 2008/10/14 APPR:NUKITA 2008/10/14	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	51296-**-94	MODEL NO.
	10 UNDER ±0.2	DRAWN BY M.UMEDA	DATE 2005/02/23	TITLE 0.5 FPC CONN EASY ON HGT=1.3MM EMBSTP PKG		
	10 OVER 30 UNDER ±0.25	CHECKED BY KEN.SUZUKI	DATE 2005/02/23			
	30 OVER ±0.3	APPROVED BY N.UKITA	DATE 2005/02/23	MOLEX INCORPORATED		
	ANGULAR ±1 °	MATERIAL NO.	DOCUMENT NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	SEE CHART			SD-51296-012	3 OF 3

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