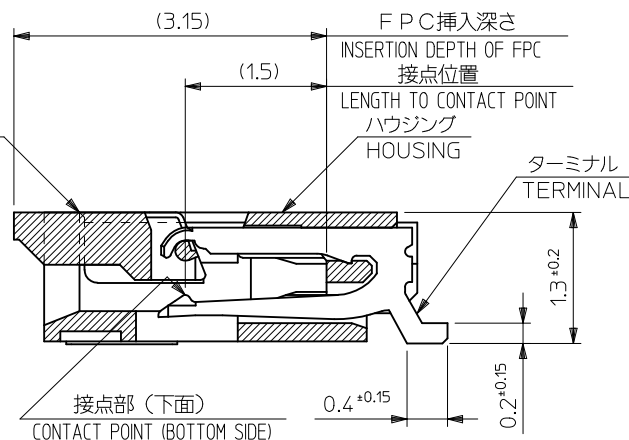
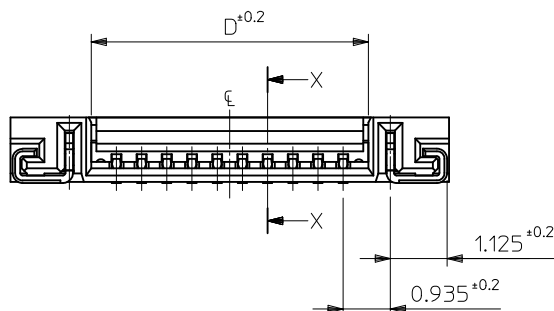
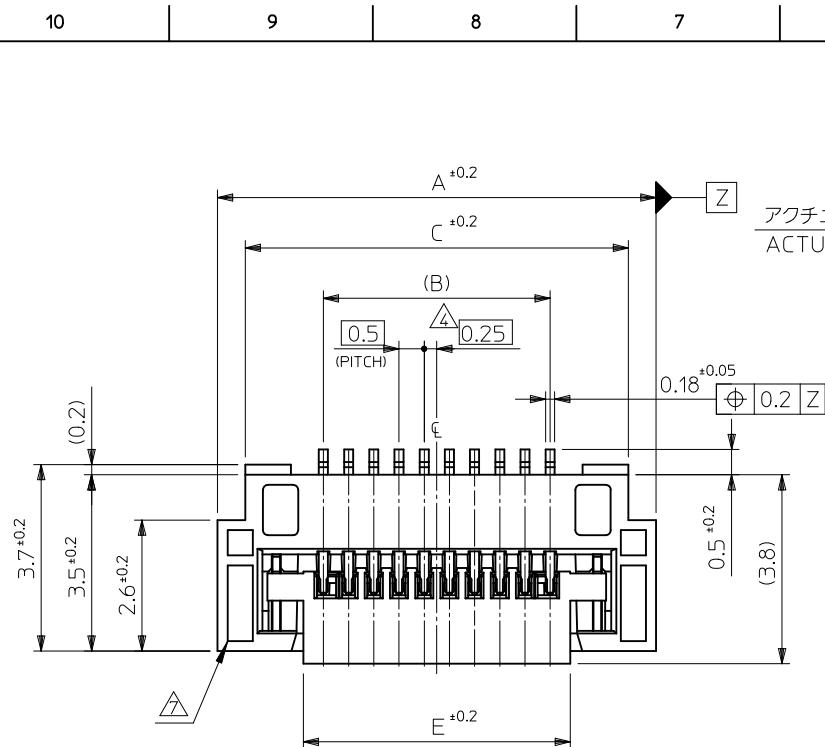
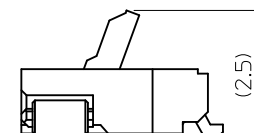
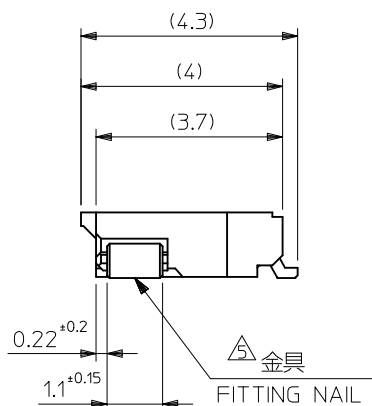




△ SECT. X-X

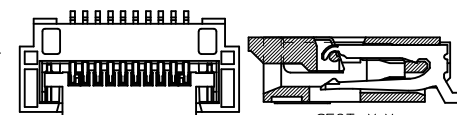


(アクチュエータが開いた状態)
(WHEN ACTUATOR IS OPENED)



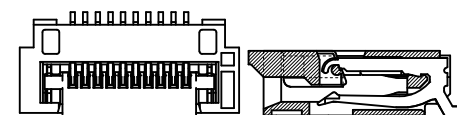
△ 金具

FITTING NAIL



△ SECT. X-X

-30 極以上-
30 Ckt. OR MORE



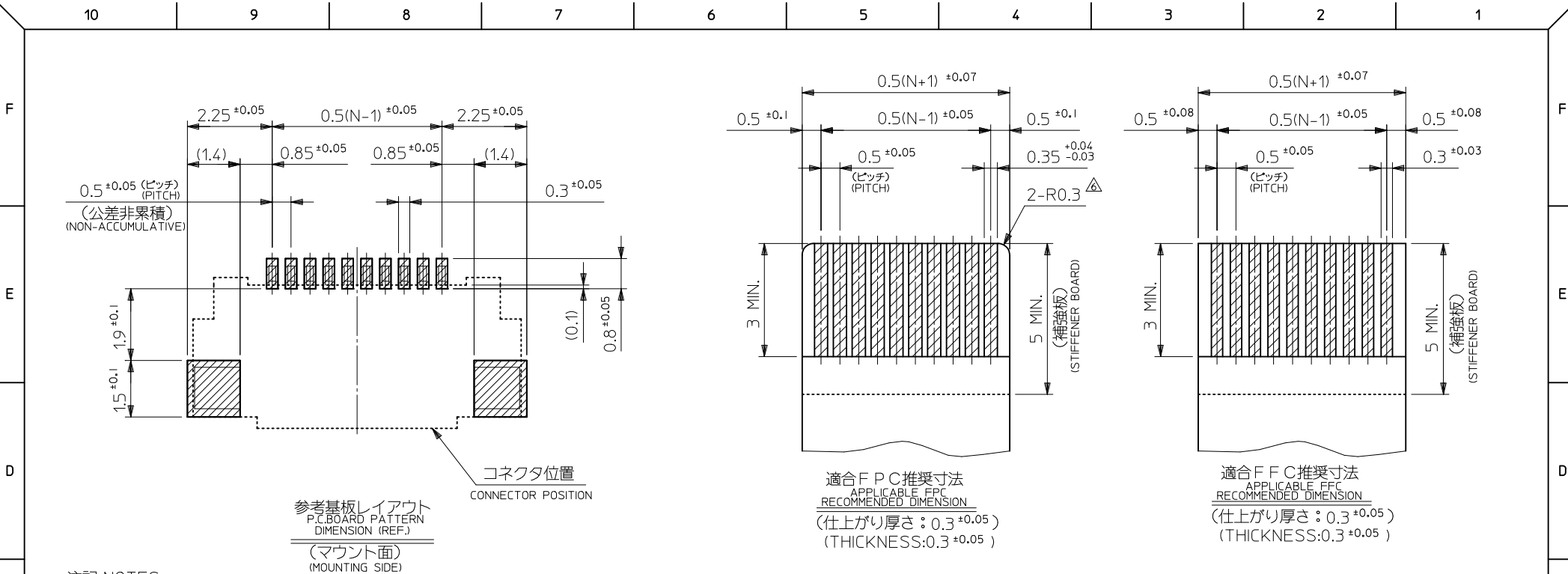
△ SECT. X-X

-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 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

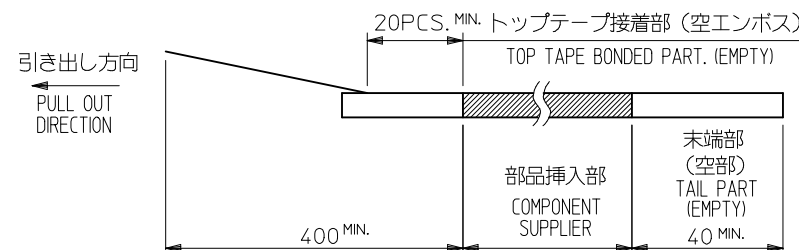
FPCについて:
補強フィルム材質はポリイミドを推奨します。
接着剤は熱硬化接着剤を推奨します。

ABOUT FPC
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

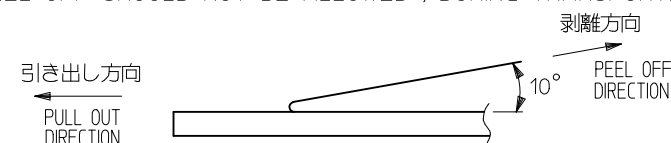
REVISED EC NO: J2011-0996 DRWN:KOMURAKAMI 2010/11/01 CHKD: APPR:KMORI KAWA 2011/02/15	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
		10 UNDER	± 0.2	DRAWN BY M.UMEDA	DATE 2005/02/22	TITLE 0.5 FPC CONN ZIF E/O HSG 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		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

NOTES

- 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).
- 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

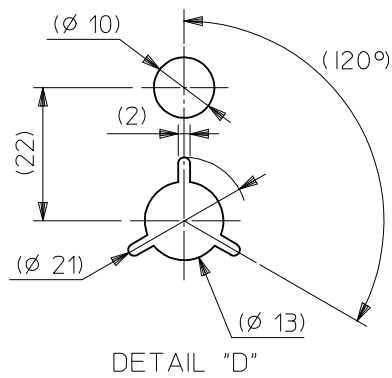
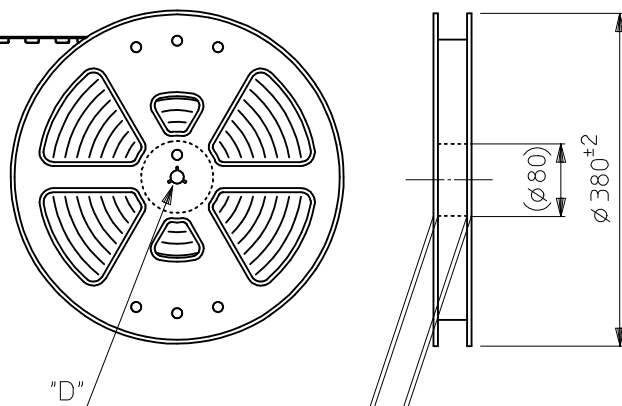


- トップテープの剥離強度 : 0.1N ~ 1.3N (10gf ~ 130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N ~ 1.3N (10gf ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



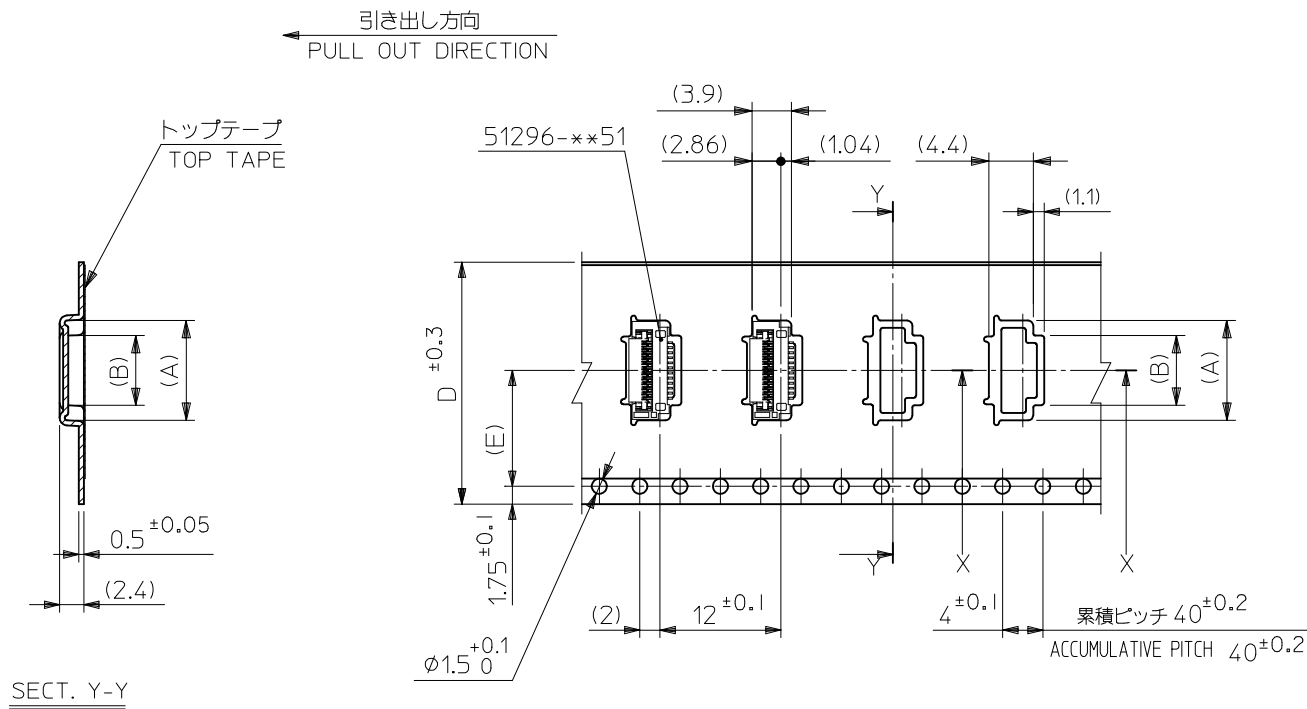
- 材料(MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE) : PET, PE, PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>

引き出し方向
PULL OUT
DIRECTION



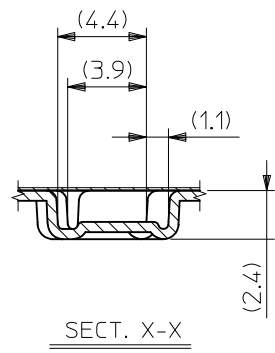
REVISED EC NO.: J2009-0892 DRWN: TAKAHASHI 103 2008/10/14 CHKD: THARUYAMA 2008/10/14 APPR: NUKITA 2008/10/14	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		10 UNDER	± 0.2	DRAWN BY DATE M. UEDA 2005/02/23		TITLE 0.5 FPC CONN EASY ON HGT=1.3MM EMBSTP PKG		
		10 OVER 30 UNDER	± 0.25	CHECKED BY DATE KEN. SUZUKI 2005/02/23				
		30 OVER	± 0.3	APPROVED BY DATE N. UKITA 2005/02/23				
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51296-012		1 OF 3	
REV		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 08/2008/10/14 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. UEDA	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					
	ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51296-012		2 OF 3			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



SECT. X-X

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