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Part Number: [5007971594](#)
Status: **Active**
Description: 0.30mm (.012") Pitch Easy-On™ Type FPC Connector, 1.05mm (.041") Mated Height, Right Angle, SMT, Bottom Contact Style, 15 Circuits, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-500797-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family FFC/FPC Connectors
Series [500797](#)
Product Name Easy-On™

Physical

Circuits (Loaded) 15
Contact Position Bottom
Durability (mating cycles max) 20
Entry Angle 90° Angle
Mated Height (in) 0.041 In
Mated Height (mm) 1.05 mm
Material - Metal Copper Alloy, Phosphor Bronze
Material - Plating Mating Gold
Number of Rows 1
Orientation Right Angle
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.012 In
Pitch - Mating Interface (mm) 0.30 mm
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -20°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FPC only

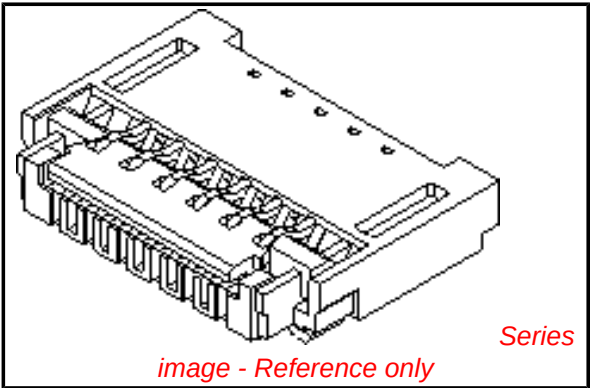
Electrical

Current - Maximum per Contact 0.2A
Voltage - Maximum 50V

Material Info

Reference - Drawing Numbers

Product Specification PS-500797-003, RPS-500797-007, RPS-500797-008, RPS-500797-009, RPS-500797-010, RPS-500797-012, RPS-500797-013, RPS-500797-016, RPS-500797-017, RPS-500797-019
Sales Drawing SD-500797-005, SD-500797-006



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**
Not Reviewed

China RoHS

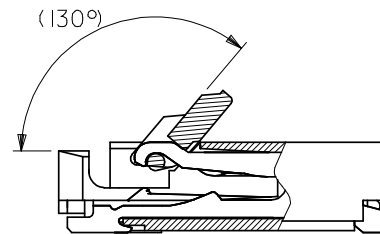
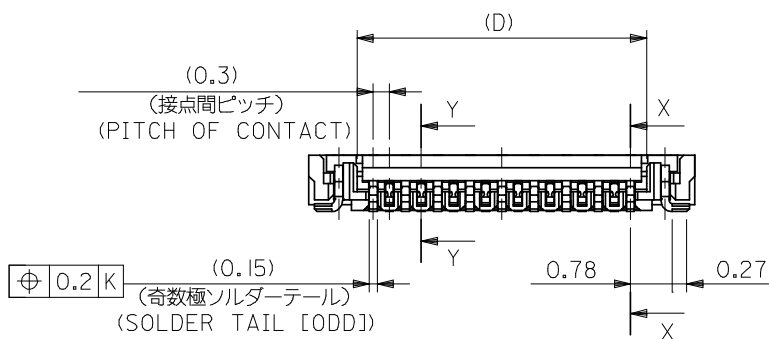
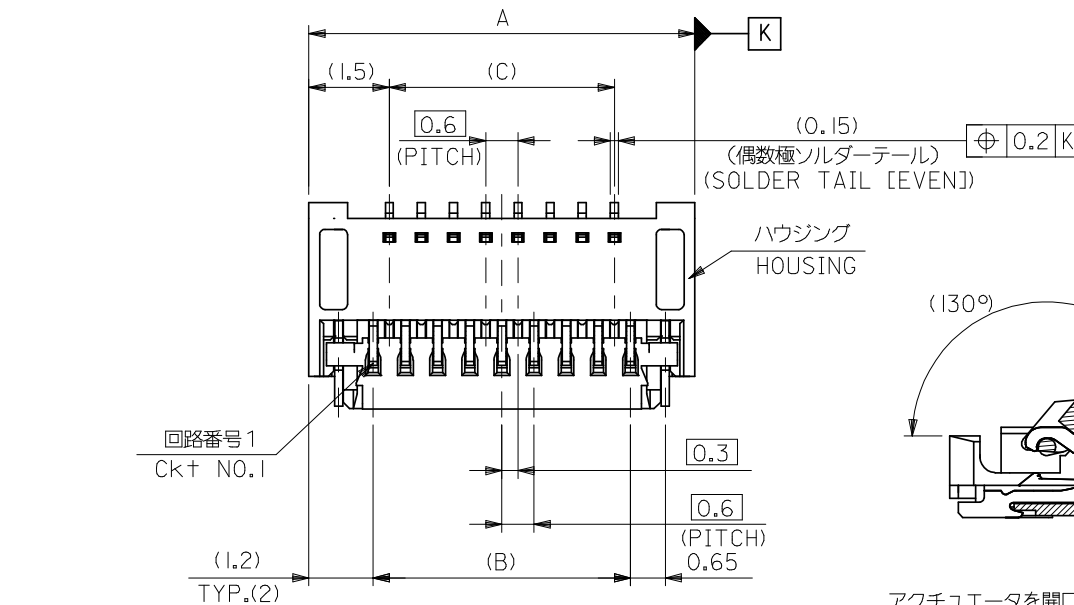


**Need more information on product
environmental compliance?**

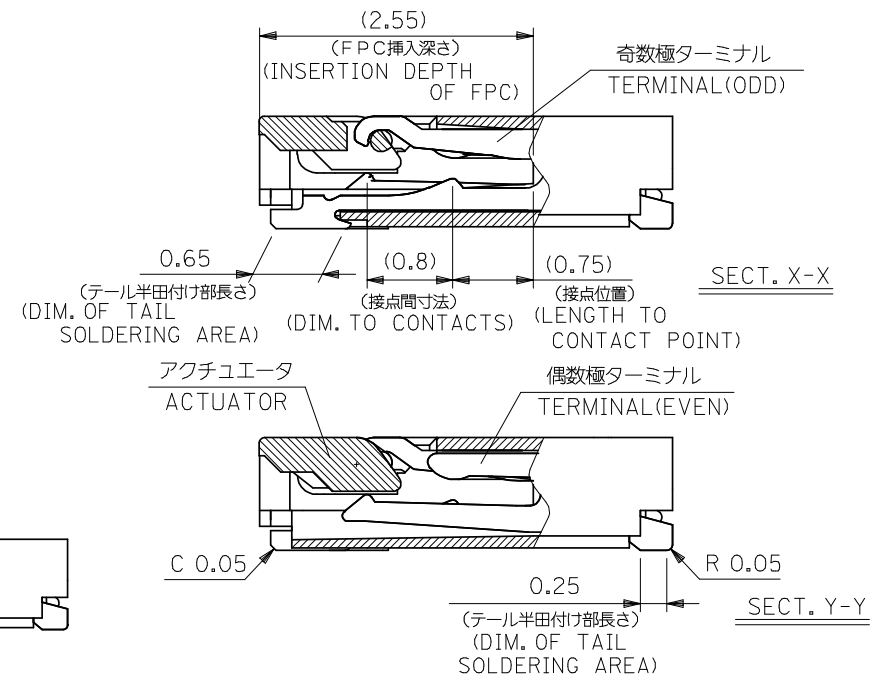
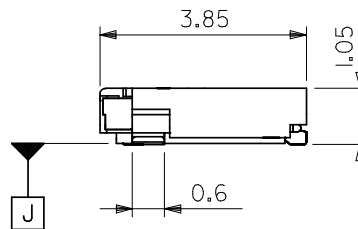
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[500797Series](#)

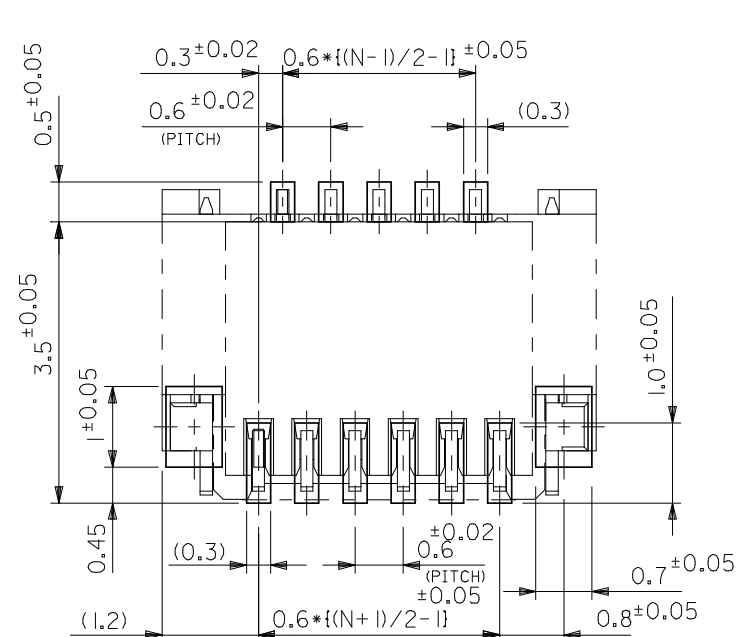


アクチュエータを開口した状態
WHEN ACTUATOR IS OPENED



15.6	14.4	15.0	17.4	500797-5194	500797-5150	51
12.6	11.4	12.0	14.4	500797-4194	500797-4150	41
12.0	10.8	11.4	13.8	500797-3994	500797-3950	39
10.8	9.6	10.2	12.6	500797-3594	500797-3550	35
10.2	9.0	9.6	12.0	500797-3394	500797-3350	33
9.6	8.4	9.0	11.4	500797-3194	500797-3150	31
8.4	7.2	7.8	10.2	500797-2794	500797-2750	27
7.8	6.6	7.2	9.6	500797-2594	500797-2550	25
7.2	6.0	6.6	9.0	500797-2394	500797-2350	23
5.4	4.2	4.8	7.2	500797-1794	500797-1750	17
4.8	3.6	4.2	6.6	500797-1594	500797-1550	15
3.6	2.4	3.0	5.4	500797-1194	500797-1150	11
D	C	B	A	EMBOSSD TAPE	MATERIAL NO.	CKT.
				ORDER No. オーダー番号		

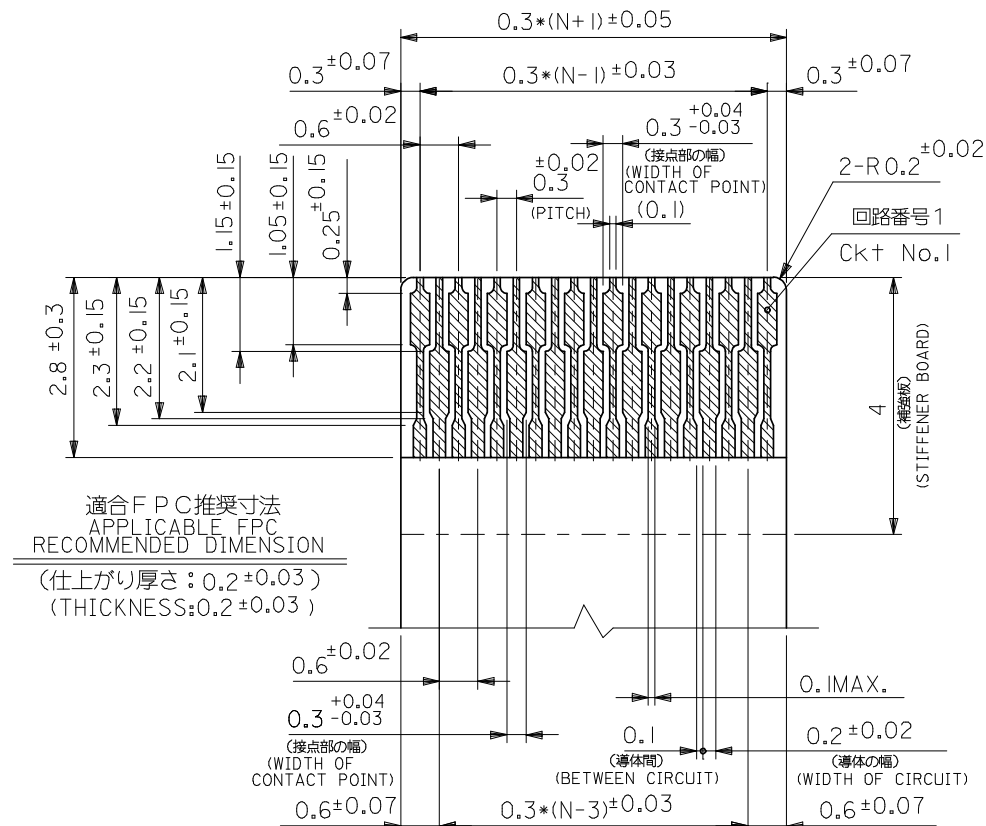
REVISED EC NO: J2008-4034 DRAWN: MWABE CHKD: THARIYAMA APPR: NUKITA	DESCRIPTION 2008/05/28 2008/05/28 2008/05/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		10 UNDER	± 0.2	DRAWN BY YMAEDA	DATE 2006/03/07	TITLE 0.3 FPC CONN E/O HSG ASSY (HGT=1.05MM) GOLD PLATING -LEAD FREE-					
		10 OVER 30 UNDER	± 0.25	CHECKED BY MTANAKA	DATE 2006/03/07						
		30 OVER	± 0.3	APPROVED BY NUKITA	DATE 2006/03/07	molex MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-500797-005				1 OF 2	
D	REV	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



参考基板レイアウト図
(マウント面)
(MOUNTING SIDE)

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
 HOUSING : LIQUID CRYSTAL POLYMER (GLASS FILLED) UL94V-0
 アクチュエータ : 46 ナイロン ガラス充填 UL94V-0
 ACTUATOR : 46 NYLON (GLASS FILLED) UL94V-0
 ターミナル : 銅合金 (t=0.15), ニッケル下地金メッキ
 TERMINAL : COPPER ALLOY, GOLD OVER NICKEL PLATING.
 金具 : リン青銅 (t=0.15), ニッケル下地スズメッキ
 FITTING NAIL : PHOSPHOR-BRONZE, TIN OVER NICKEL PLATING.
- △ ソルダータール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 J に対し、
 上方向 0.1MAXIMUM 下方向 0.15MAXIMUM とする。
 又、相互のバツキ量は 0.1MAXIMUM とする。
 MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM J
 UPPER DIRECTION : 0.1 MAXIMUM , LOWER DIRECTION : 0.15 MAXIMUM.
 OFFSET BETWEEN SOLDER TAILS AND FITTING NAILS : 0.1 MAXIMUM.



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.2 ± 0.03)
(THICKNESS: 0.2 ± 0.03)

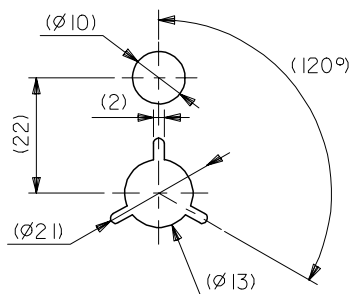
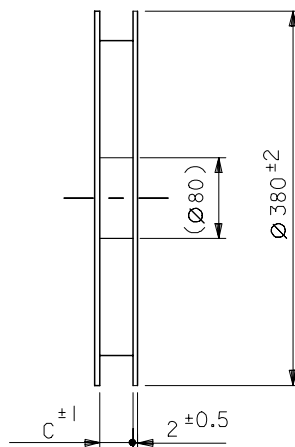
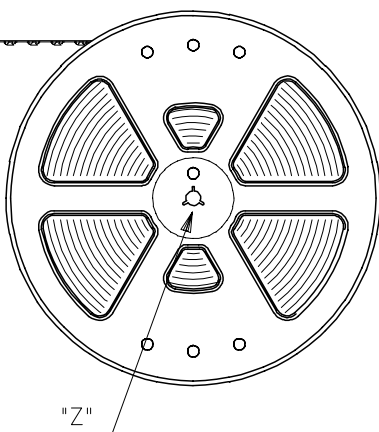
FPCについて：

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。
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 PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.
RECOMMENDED CONDUCTOR SPEC :
THICKNESS OF SOFT COPPER FOIL : 35 MICROMETER OR 50 MICROMETER
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

REVISED EC NO: J2008-4034 DRAWN: MWABE CHKD: THARIYAMA APPR: NUKITA	DESCRIPTION 2008/05/28 2008/05/28 2008/05/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY YMAEDA	DATE 2006/03/06	TITLE 0.3 FPC CONN E/O HSG ASSY (HGT=1.05MM) GOLD PLATING -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY MTANAKA	DATE 2006/03/06				
		30 OVER	± 0.3	APPROVED BY NUKITA	DATE 2006/03/06	 MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-500797-005			2 OF 2
		REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

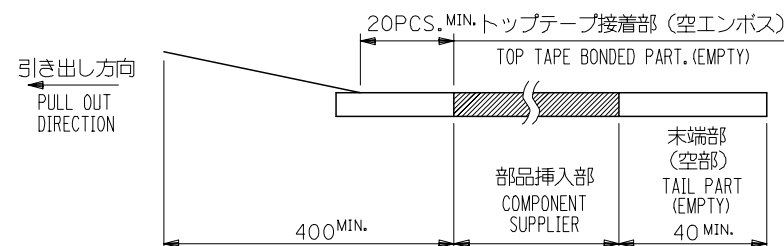
引き出し方向
PULL OUT
DIRECTION



DETAIL "Z"

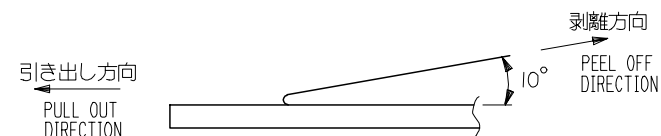
NOTES

- 製品詳細寸法については図面 SD-500797-005 を参照下さい。
RE DETAILED DIMENSION, SEE SD-500797-005
- 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(10.2gf ～ 132.6gf)
(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 ～ 0.7N(10.2gf ～ 71.4gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



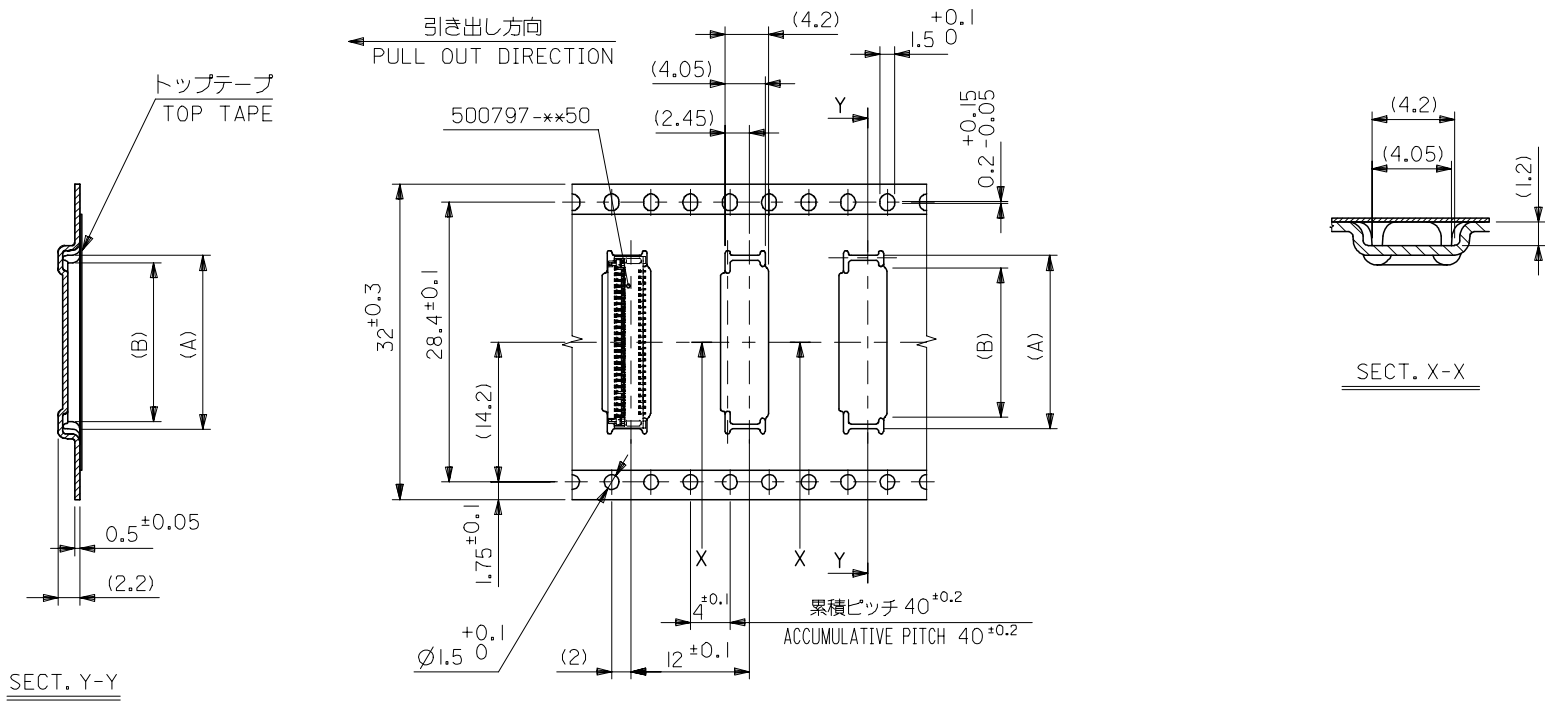
- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)：ポリプロピレン(POLYPROPYLENE)
トップテープ(TOPTAPE)：PET, PE, PEF
リール(REEL)：ポリスチレン(PS) <リサイクル材含む>
POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>
- C寸法は SHEET 2 ～ 4 を参照下さい。
SEE SHEET 2 ～ 4 (DIMENSION C).
- 欠品無きこと。
THERE SHALL BE NO MISSING PRODUCTS.

REVISED EC NO: J2008-0003 DRAWN: HAYASHI 2007/07/02 CHKD: MORIKAWA 2007/07/02 APPR: MORIKAWA 2007/07/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		MODEL NO. THIRD ANGLE PROJECTION
		10 UNDER	± 0.2	DRAWN BY YMAEDA	DATE 2006/03/07	TITLE EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.05MM) GOLD PLATING -LEAD FREE- MOLEX INCORPORATED			
		10 OVER 30 UNDER	± 0.25	CHECKED BY MTANAKA	DATE 2006/03/07				
		30 OVER	± 0.3	APPROVED BY NUKITA	DATE 2006/03/07				
		ANGULAR ±3 °		MATERIAL NO.			DOCUMENT NO.	SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-500797-006		1 OF 4		
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



24	25.5	12.4	14.6	500797-4194	41
		11.8	14.0	500797-3994	39
		10.6	12.8	500797-3594	35
		10.0	12.2	500797-3394	33
		9.4	11.6	500797-3194	31
		8.2	10.4	500797-2794	27
		7.6	9.8	500797-2594	25
		7.0	9.2	500797-2394	23
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	製品番号 MATERIAL No.	極数 CK+
				500797-**94	MODEL No.

REVISED	EC NO: J2008-0003 DRAWN: HAYASHI CHK: KDK, MORIKAWA APPR: MORIKAWA	2007/07/02 2007/07/02 2007/07/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
				10 UNDER	± 0.2	DRAWN BY YMAEDA	DATE 2006/03/07	TITLE EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.05MM) GOLD PLATING -LEAD FREE-			
				10 OVER 30 UNDER	± 0.25	CHECKED BY MTANAKA	DATE 2006/03/07				
				30 OVER	± 0.3	APPROVED BY NUKITA	DATE 2006/03/07				
				ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-500797-006		3 OF 4	
REV				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	33.5	15.4	17.6	500797-5194	51
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	製品番号 MATERIAL No.	極数 CK+
				500797-xx94	MODEL No.

REVISED EC NO: J2008-0003 DRWN: MAYASHI 2007/07/02 CHKD: MORIKAWA 2007/07/02 APPR: MORIKAWA 2007/07/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY YMAEDA	DATE 2006/03/07	TITLE EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.05MM) GOLD PLATING -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY MTANAKA	DATE 2006/03/07					
		30 OVER	±0.3	APPROVED BY NUKITA	DATE 2006/03/07	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-500797-006		4 OF 4			
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								