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Part Number:

5010170808

Status:

Active

Description:

0.40mm (.016") Pitch Board-to-Board Receptacle, SMT, Dual Row, Vertical, 4.00mm (.157") Stacking Height, 80 Circuits

Documents:

Drawing (PDF)

Product Specification PS-54684-008 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	501017
Application	Board-to-Board
Product Name	N/A
Physical	
Breakaway	No
Circuits (Loaded)	80
Color - Resin	Brown
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height (in)	0.157 In
Mated Height (mm)	4.00 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.016 In
Pitch - Mating Interface (mm)	0.40 mm
Pitch - Term. Interface (in)	0.016 In
Pitch - Term. Interface (mm)	0.40 mm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-25°C to +105°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	0.3A
Voltage - Maximum	30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers	
Product Specification	PS-54684-008
Sales Drawing	SD-501017-001, SD-501017-002

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

501017Series

Mates With

54684 PCB Receptacle

This document was generated on 05/18/2010

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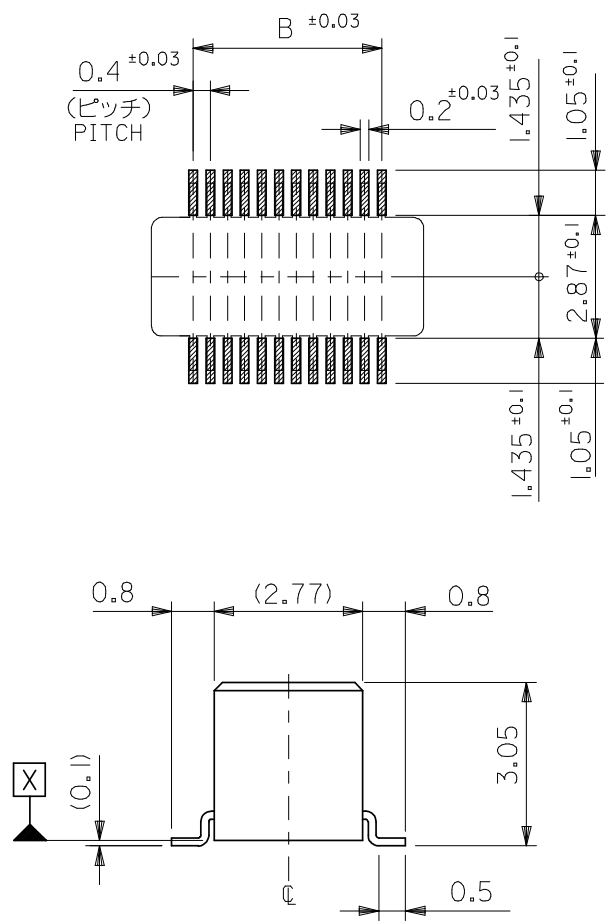
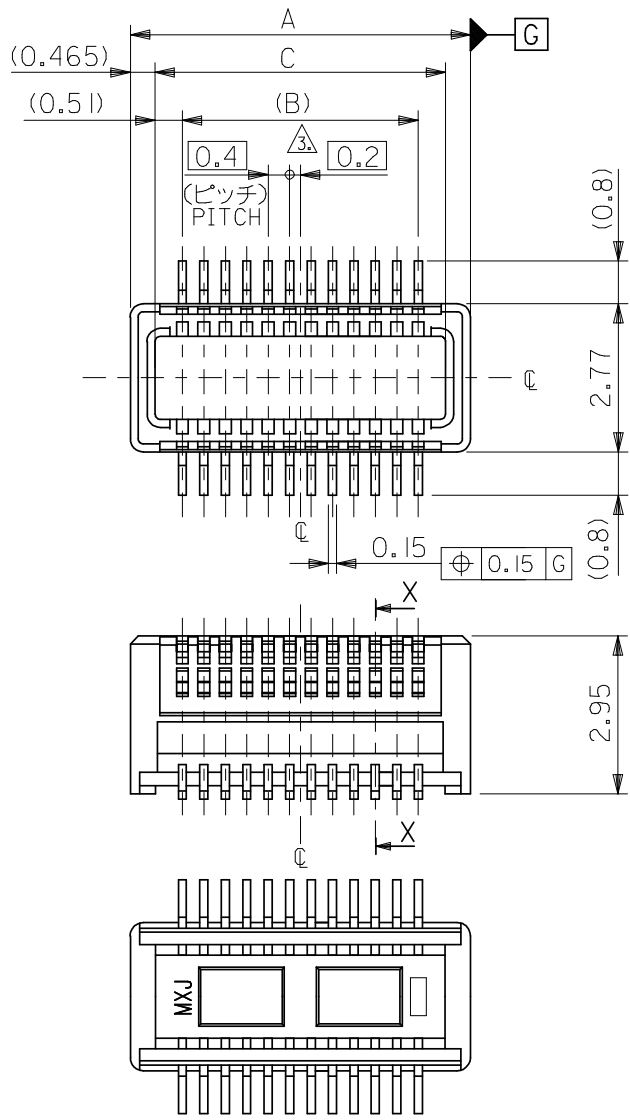
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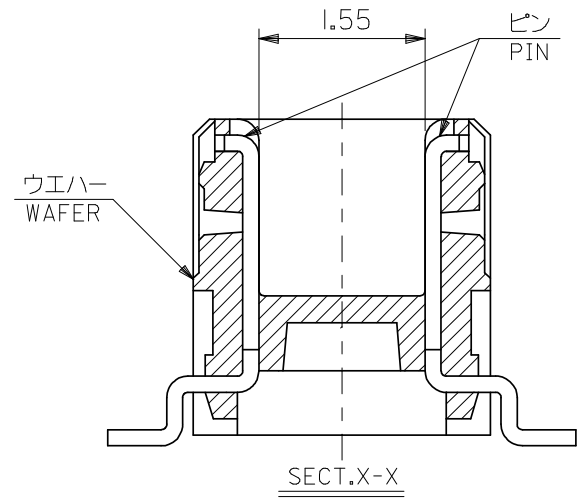
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参考基板レイアウト (マウント面)
RECOMMENDED P.C.BOARD
PATTERN DIMENSION (REF.)
(MOUNTING AREA)



20.64	19.6	21.55	501017-1007	100
16.63	15.6	17.55	501017-0807	80
12.64	11.6	13.55	501017-0607	60
10.64	9.6	11.55	501017-0507	50
5.42	4.4	6.35	501017-0247	24
C	B	A	MATERIAL NO.	CIRCUIT

MATERIAL
材料

注記参照
SEE NOTES

REVISED
EC NO: J2008-2284
DRWN:YMAEDA 2007/12/04
CHKD:NUKITA 2007/12/06
APPR:NUKITA 2007/12/06

DESCRIPTION

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER ±0.2
10 OVER 30 UNDER ±0.25
30 OVER ±0.3
ANGULAR ±--- °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY DATE
Y. NUKANO 2004/06/05
CHECKED BY DATE
T. HIRATA 2004/06/05
APPROVED BY DATE
M. SASAO 2004/06/05
MATERIAL NO.
SEE TABLE
SIZE
A3

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

0.4MM B-TO-B CONN
NO BOSS PLUG ASSY
(HGT=4MM)

MOLEX INCORPORATED

DOCUMENT NO.
SD-501017-001

SHEET NO.
1 OF 2

MODEL NO. 501017-****7

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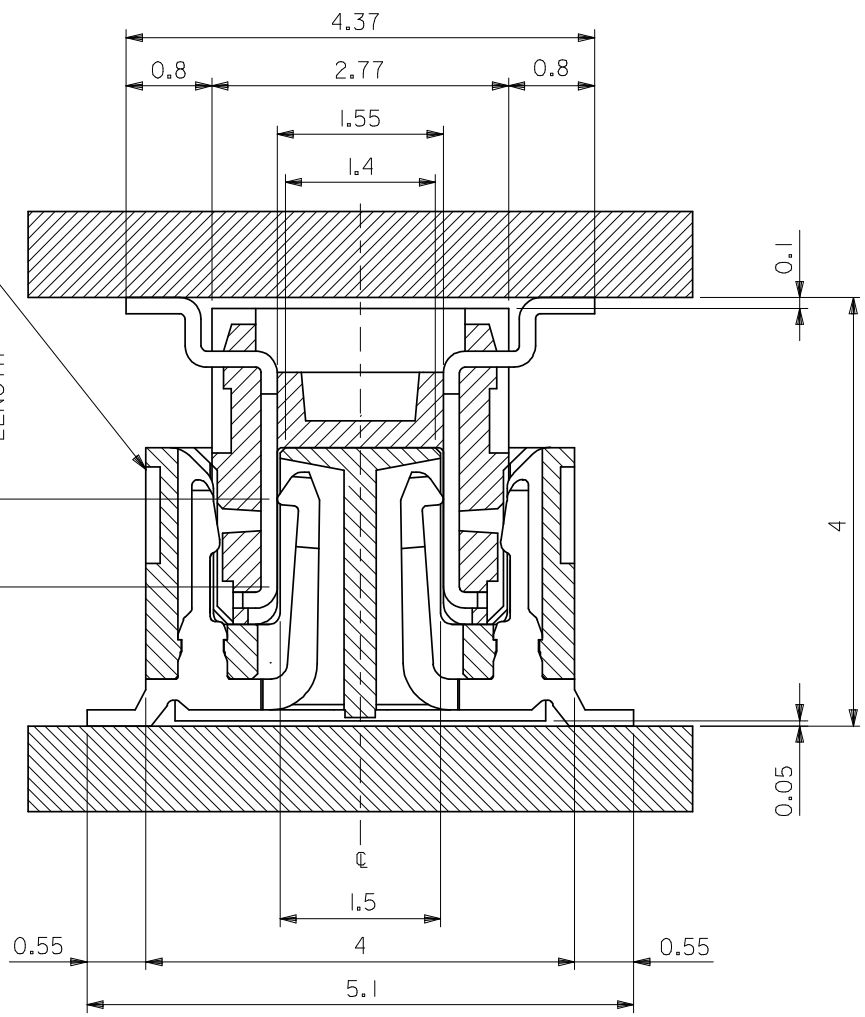
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嵌合相手
MATE WITH
54684-***7

有効嵌合長
MATING
LENGTH
0.9



注記 NOTES:

1. 使用材料 MATERIAL
ウエハー:液晶ポリマー ガラス充填 UL94V-0 茶色
WAFER:LIQUID CRYSTAL POLYMER
GLASS FILLED UL94V-0
COLOR BROWN
ピン:リン青銅 (t=0.15)
PIN:PHOSPHOR BRONZE (t=0.15)
2. メッキ仕様 PLATING
金メッキ 0.25 マイクロメートル以上 (コンタクト部)
GOLD 0.25MICROMETER MINIMUM (CONTACT AREA)
金メッキ 0.4 マイクロメートル以下 (テール部)
GOLD 0.4MICROMETER MAXIMUM (TAIL AREA)
下地メッキ:ニッケルメッキ 1.5 マイクロメートル以上
UNDER PLATING : NICKEL 1.5MICROMETER MINIMUM
3. (全極数/2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN.
4. 嵌合相手:54684 シリーズ
MATE WITH : 54684 SERIES.
5. テール平坦度は、0.10 MAX.
TAIL COPLANARITY TO BE 0.10 MAX.
又、テール半田付け面の位置はウエハーの底面 ☒ に対し
上方向に0、下方向に0.15 MAX. とする。
MISALIGNMENT OF SOLDER TAILS FROM ☒
: UPPER DIRECTION 0
: LOWER DIRECTION 0.15 MAX.

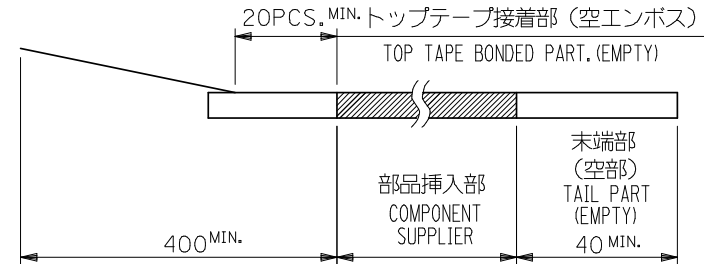
嵌合断面図 (参考)
MATED DRAWING (REF.)

MATERIAL 材料	SHEET 1 OF 2 参照 REFER TO SHEET 1 OF 2		REVISED EC NO: J2008-2284 DRAWN:YMAEDA 2007/12/04 CHKD:NUKITA 2007/12/06 APPR:NUKITA 2007/12/06	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					10 UNDER	±0.2	DRAWN BY DATE Y. NUKANO 2004/06/05		TITLE 0.4MM B-TO-B CONN NO BOSS PLUG ASSY (HGT=4MM)			
					10 OVER 30 UNDER	±0.25	CHECKED BY DATE T. HIRATA 2004/06/05					
					30 OVER	±0.3	APPROVED BY DATE M. SASAO 2004/06/05					
					ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501017-001			2 OF 2
							SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

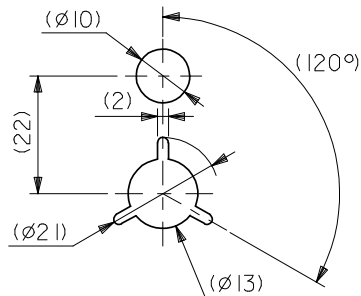
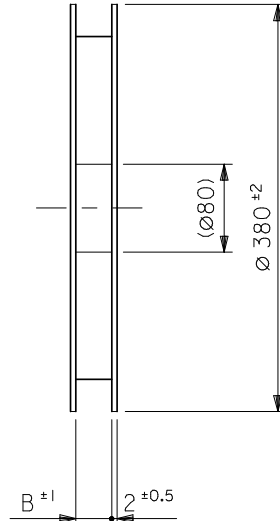
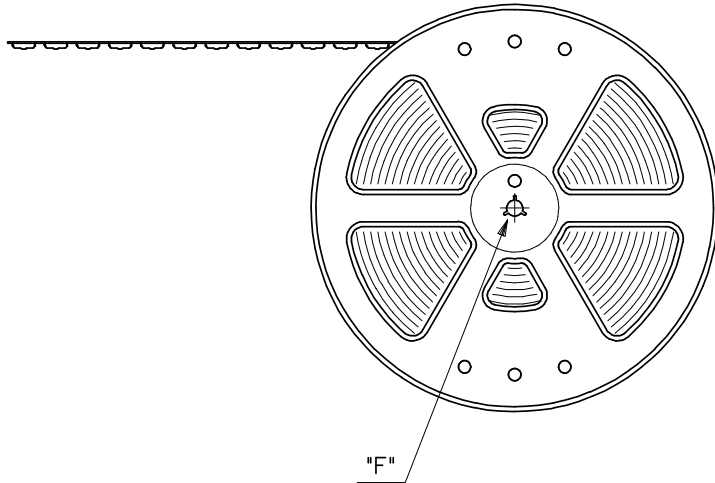
NOTES

- 製品詳細寸法については図面 SD-501017-001 を参照下さい。
RE DETAILED DIMENSION, SEE SD-501017-001
- 梱包数量：1500個/リール
NUMBER OF CONNECTORS：1500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH
20PCS. MIN. トップテープ接着部 (空エンボス)
TOP TAPE BONDED PART. (EMPTY)
- トップテープの剥離強度：「JES-59」参照
PEELING OFF FORCE OF TOPTAPE：SEE「JES-59」
- シール位置はトップテープ両端から0.5mm以上内側にて行い、
且つエンボスポケット面にかからない位置とする。
SEAL POSITION IS 0.5mm OR MORE INNER SIDE FROM TOP TAPE BOTH ENDS
AND WHICH IS NOT TAKE ON THE EMBOSSED POKET SIDE.
- 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



引き出し方向
PULL OUT
DIRECTION



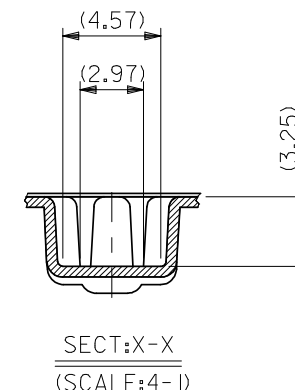
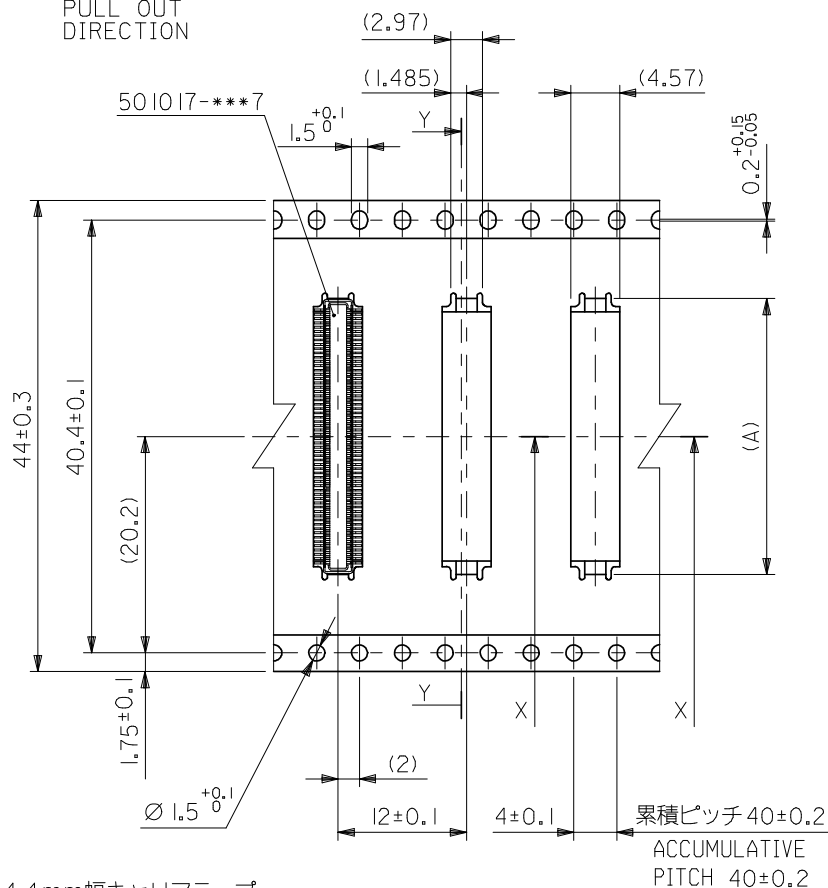
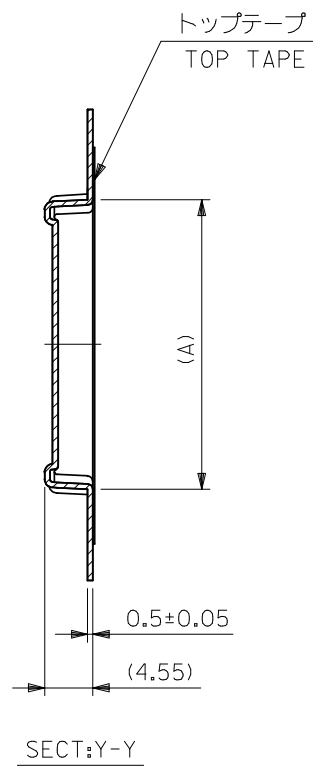
DETAIL "F"

MODEL NO. 501017-***8

REVISED EC NO: J2008-2284 DRWN:YMAEDA 2007/12/04 CHKD:NUKITA 2007/12/06 APPR:NUKITA 2007/12/06	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY YNUKANOBU	DATE 2004/06/05	TITLE EMBOSSSED TAPE PACKAGE FOR 501017-***7				
		10 OVER 30 UNDER	±0.25	CHECKED BY THIRATA	DATE 2004/06/05					
		30 OVER	±0.3	APPROVED BY MSASAO	DATE 2004/06/05					
		ANGULAR	±3 °	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501017-002		1 OF 4			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
	REV									

10 9 8 7 6 5 4 3 2 1

引き出し方向
PULL OUT
DIRECTION



44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

44	45.5	21.75	501017-1008	100
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	極数 CKT.

MODEL NO. 501017-***8

REVISED EC NO: J2008-2284 DRWN:YMAEDA 2007/12/04 CHK'D:NUKITA 2007/12/06 APPR:NUKITA 2007/12/06 D	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY YNUKANOB	DATE 2004/06/05	TITLE EMBOSSSED TAPE PACKAGE FOR 501017-***7				
		10 OVER 30 UNDER	± 0.25	CHECKED BY THIRATA	DATE 2004/06/05					
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2004/06/05	molex MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-501017-002			SHEET NO. 2 OF 4	
	REV	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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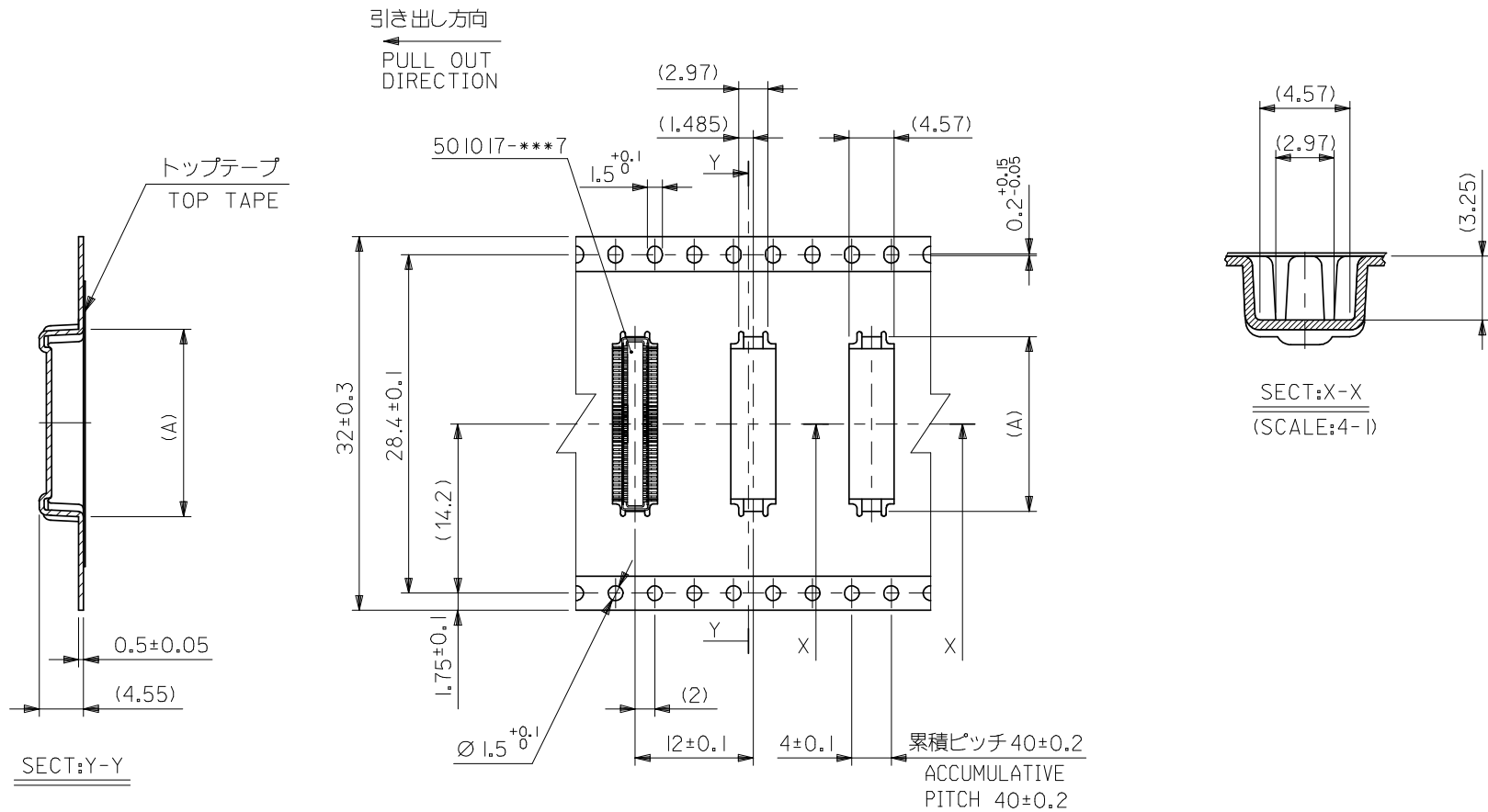
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32 mm幅キャリアテープ
32 mm WIDTH CARRIER TAPE

32	33.5	17.75	501017-0808	80
		13.75	501017-0608	60
		11.75	501017-0508	50
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	極数 CKT.

MODEL NO. 501017-***8

REVISED EC NO: J2008-2284 DRWN:YMAEDA 2007/12/04 CHK'D:NUKITA 2007/12/06 APPR:NUKITA 2007/12/06 D	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		---	METRIC			
		10 UNDER	± 0.2	DRAWN BY	DATE	TITLE EMBOSSED TAPE PACKAGE FOR 501017-***7				
		10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE					
		30 OVER	± 0.3	APPROVED BY	DATE	MOLEX INCORPORATED				
		ANGULAR	±3 °	MSASAO	2004/06/05					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
SEE TABLE				SD-501017-002		3 OF 4				
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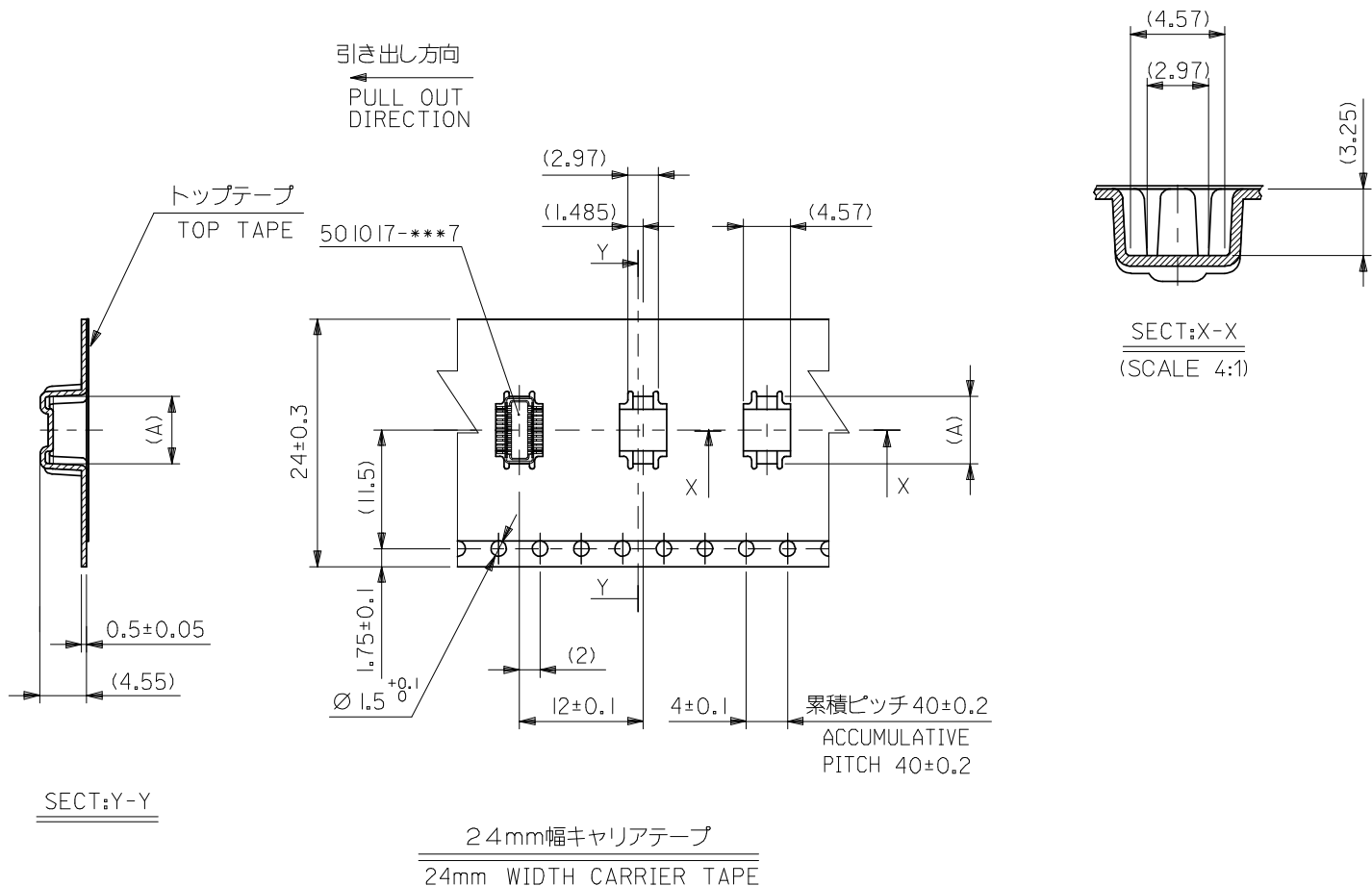
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24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24		25.5	6.55	501017-0248		24
キャリアテープ幅 CARRIER TAPE WIDTH		B	A	MATERIAL NO.		極数 CKT.
			MODEL NO.		501017-***8	
DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
BY DATE NOBU 2004/06/05		TITLE EMBOSSD TAPE PACKAGE FOR 501017-***7				
D BY DATE TA 2004/06/05						
ED BY DATE O 2004/06/05		MOLEX MOLEX INCORPORATED				
AL NO.		DOCUMENT NO.				SHEET NO.
SEE TABLE		SD-501017-002				4 OF 4
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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

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