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Part Number: [5010170248](#)
Status: **Active**
Description: 0.40mm (.016") Pitch Board-to-Board Receptacle, SMT, Dual Row, Vertical, 4.00mm (.157") Stacking Height, 24 Circuits

Documents:

[3D Model](#) [Product Specification PS-54684-008 \(PDF\)](#)
[Drawing \(PDF\)](#) [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) 24
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

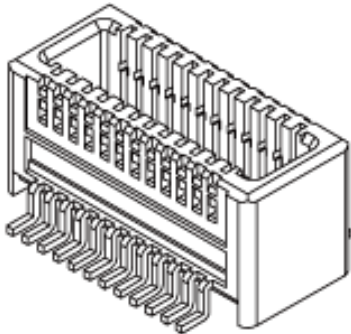
Electrical

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

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-501017-001
Product Specification PS-54684-008, RPS-54684-014
Sales Drawing SD-501017-001, SD-501017-002



*Series
image - Reference only*

EU RoHS

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

China RoHS



Not Reviewed

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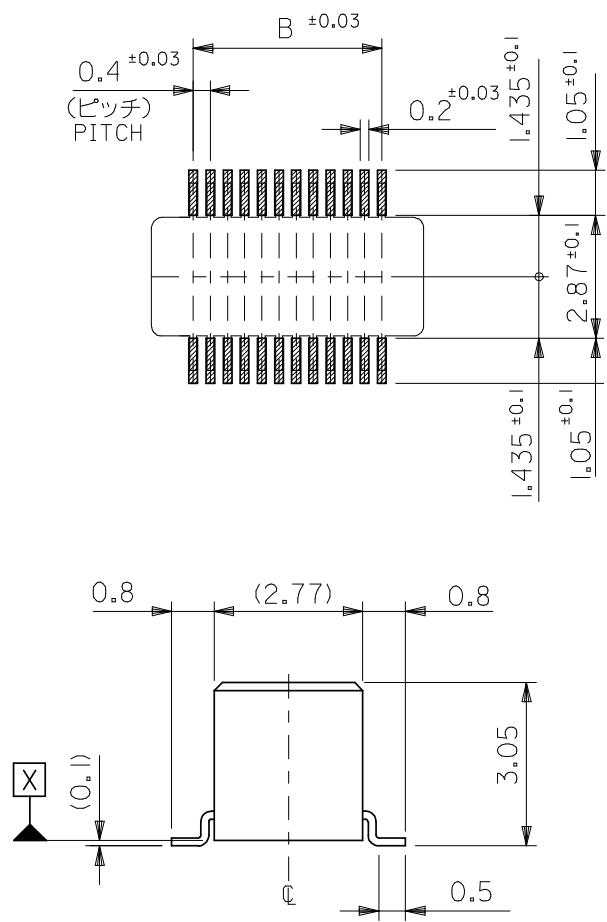
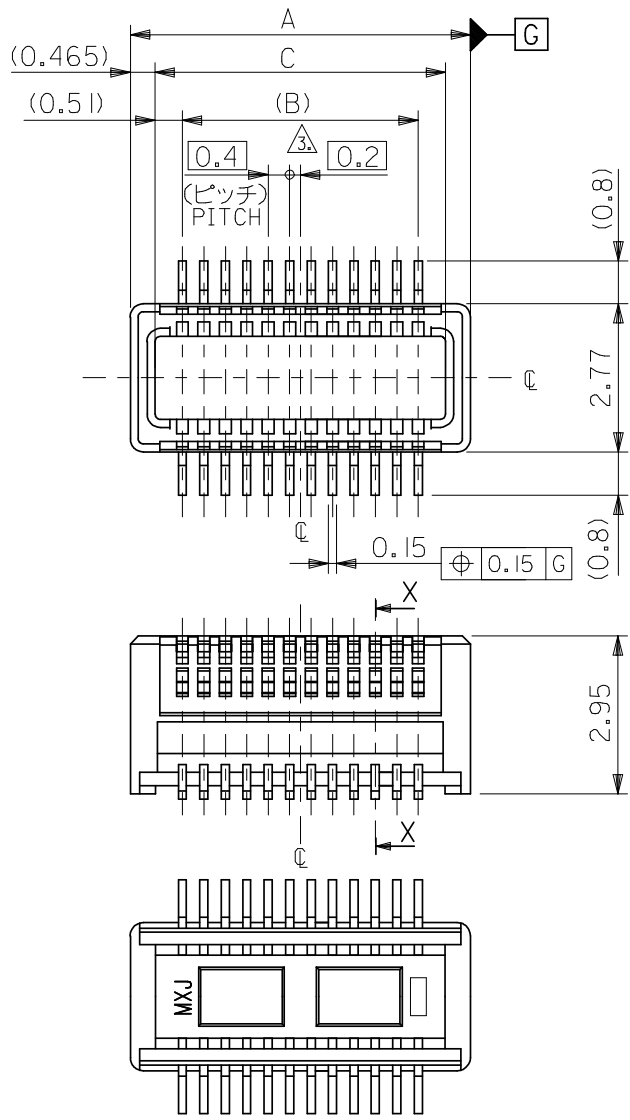
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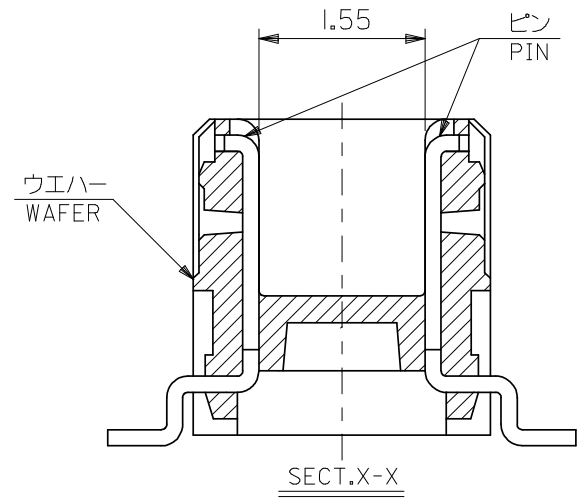
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参考基板レイアウト (マウント面)
RECOMMENDED P.C.BOARD
PATTERN DIMENSION (REF.)
(MOUNTING AREA)



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

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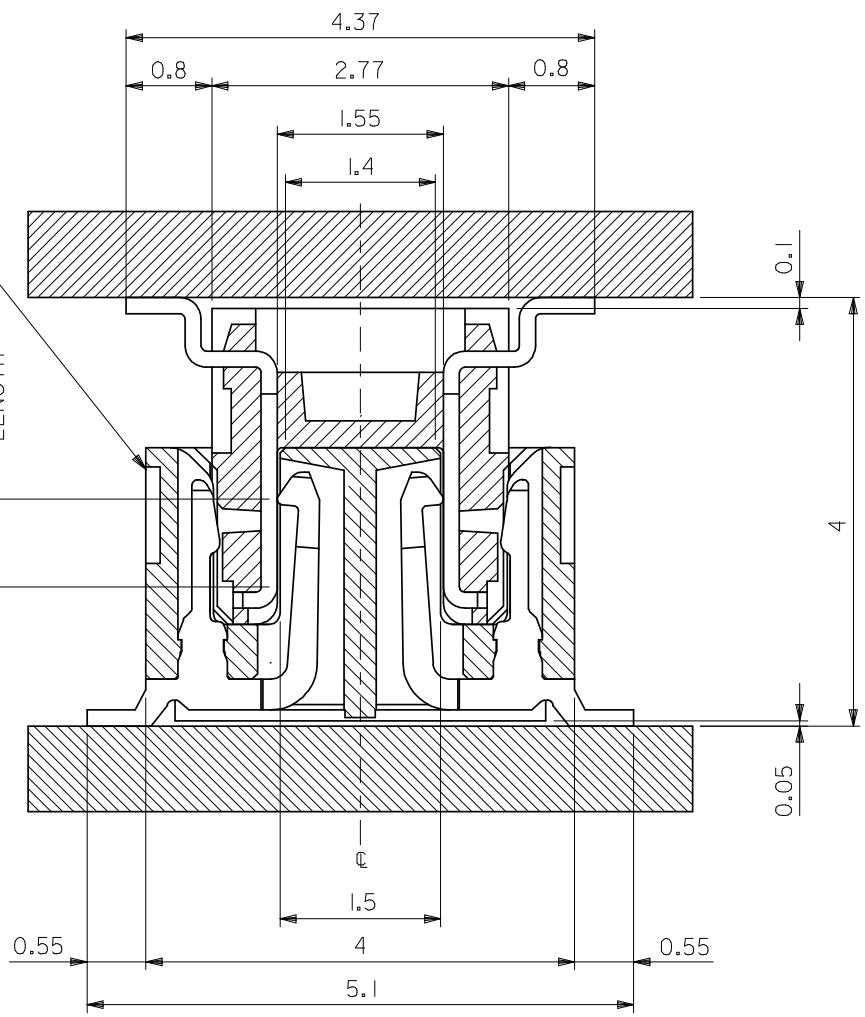
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嵌合相手
MATE WITH
54684-***7

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 [X] に対し
上方向に0、下方向に0.15 MAX. とする。
MISALIGNMENT OF SOLDER TAILS FROM [X]
: UPPER DIRECTION 0
: LOWER DIRECTION 0.15 MAX.

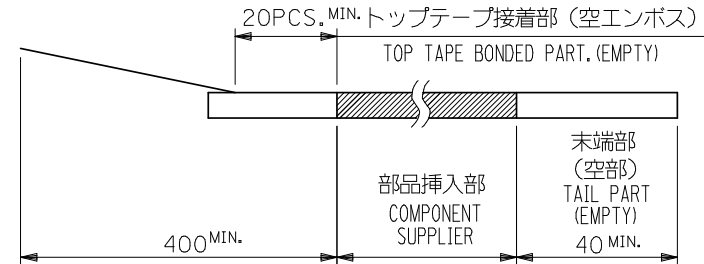
嵌合断面図 (参考)
MATED DRAWING (REF.)

MATERIAL 材料	SHEET 1 OF 2 参照 REFER TO SHEET 1 OF 2		REVISED EC NO: J2008-2284 DRWN:YMAEDA CHKD:NUKITA APPR:NUKITA	2007/12/04 2007/12/06 2007/12/06	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION			
						10 UNDER	±0.2	DRAWN BY Y. NUKANO		DATE 2004/06/05		TITLE 0.4MM B-TO-B CONN NO BOSS PLUG ASSY (HGT=4MM)					
						10 OVER 30 UNDER	±0.25	CHECKED BY T. HIRATA		DATE 2004/06/05							
						30 OVER	±0.3	APPROVED BY M. SASAO		DATE 2004/06/05		MOLEX MOLEX INCORPORATED					
						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									

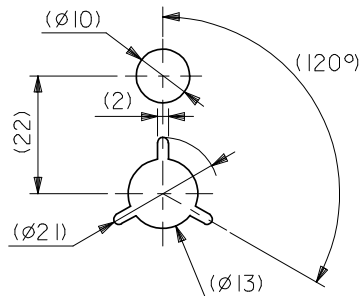
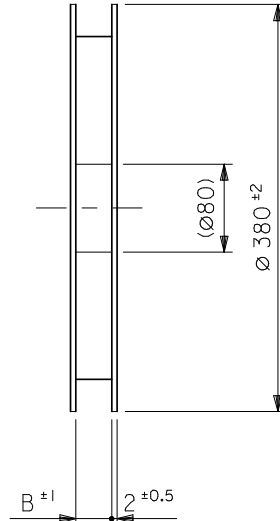
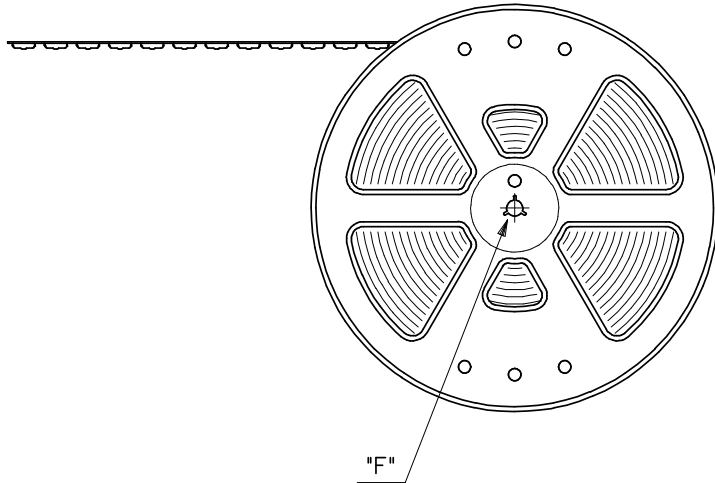
NOTES

- 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



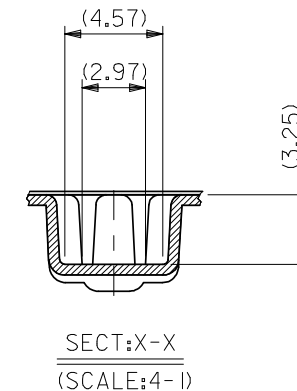
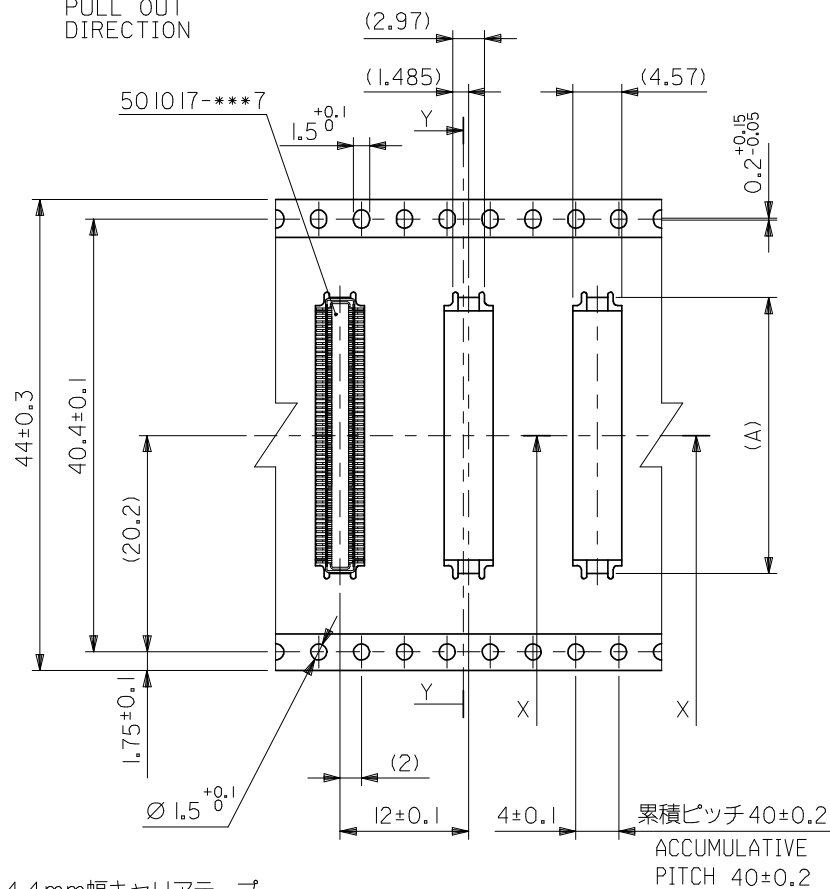
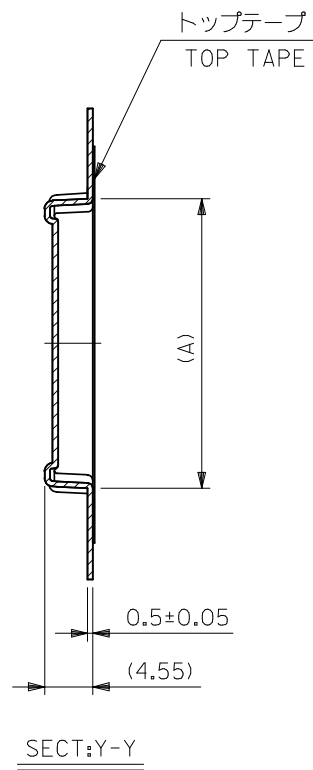
DETAIL "F"

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	MOLEX INCORPORATED				
		ANGULAR	±3 °	MATERIAL NO. SEE TABLE						
	REV	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						

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 D DRWN:YMAEDA 2007/12/04 CHKD:NUKITA 2007/12/06 APPR:NUKITA 2007/12/06	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
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		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.		DOCUMENT NO.				SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501017-002				2 OF 4	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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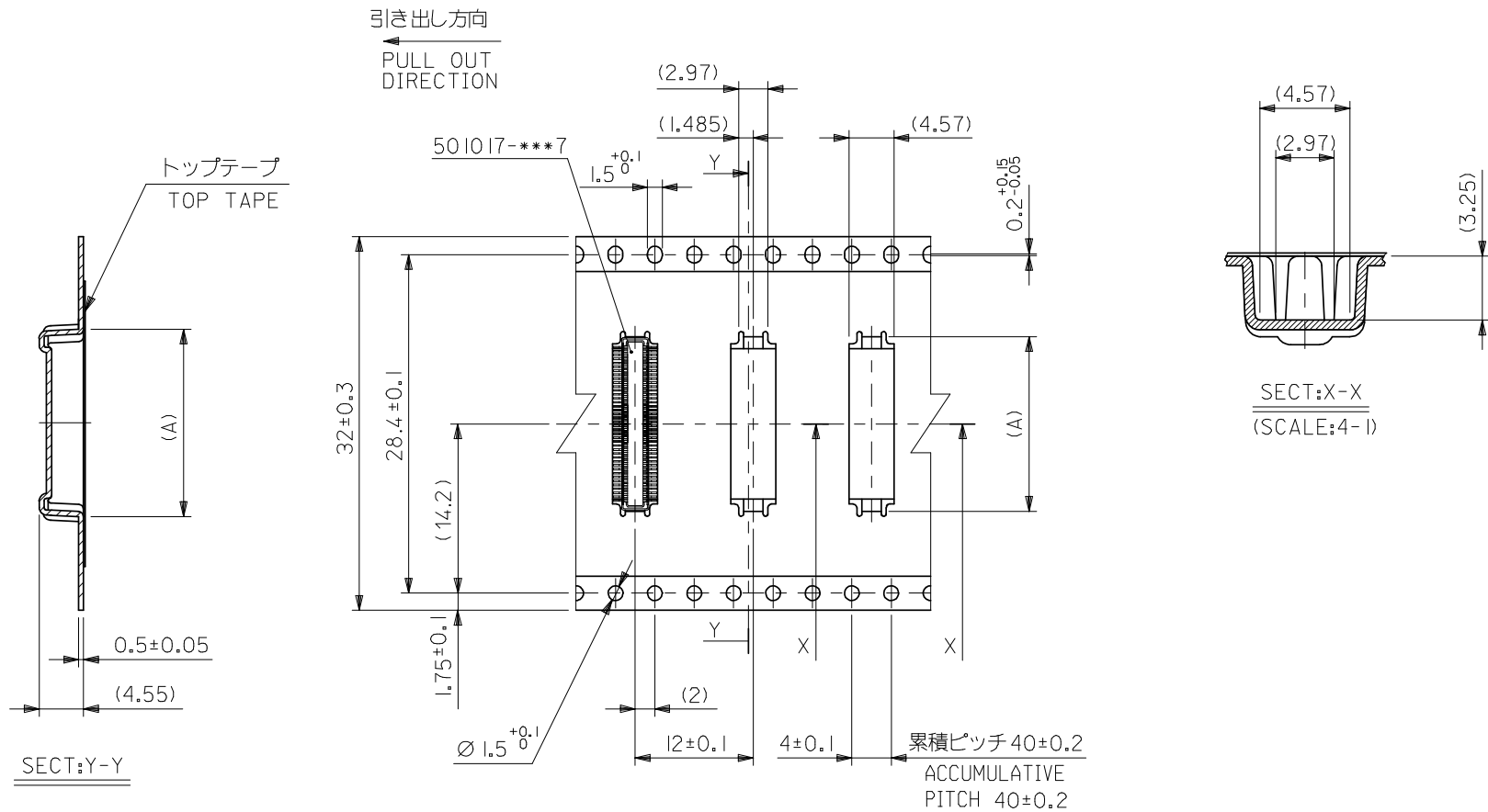
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32 mm幅キャリアテープ
32 mm WIDTH CARRIER TAPE

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 MOLEX INCORPORATED				
		ANGULAR ±3 °	MATERIAL NO.	DOCUMENT NO.	SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501017-002		3 OF 4				
REV		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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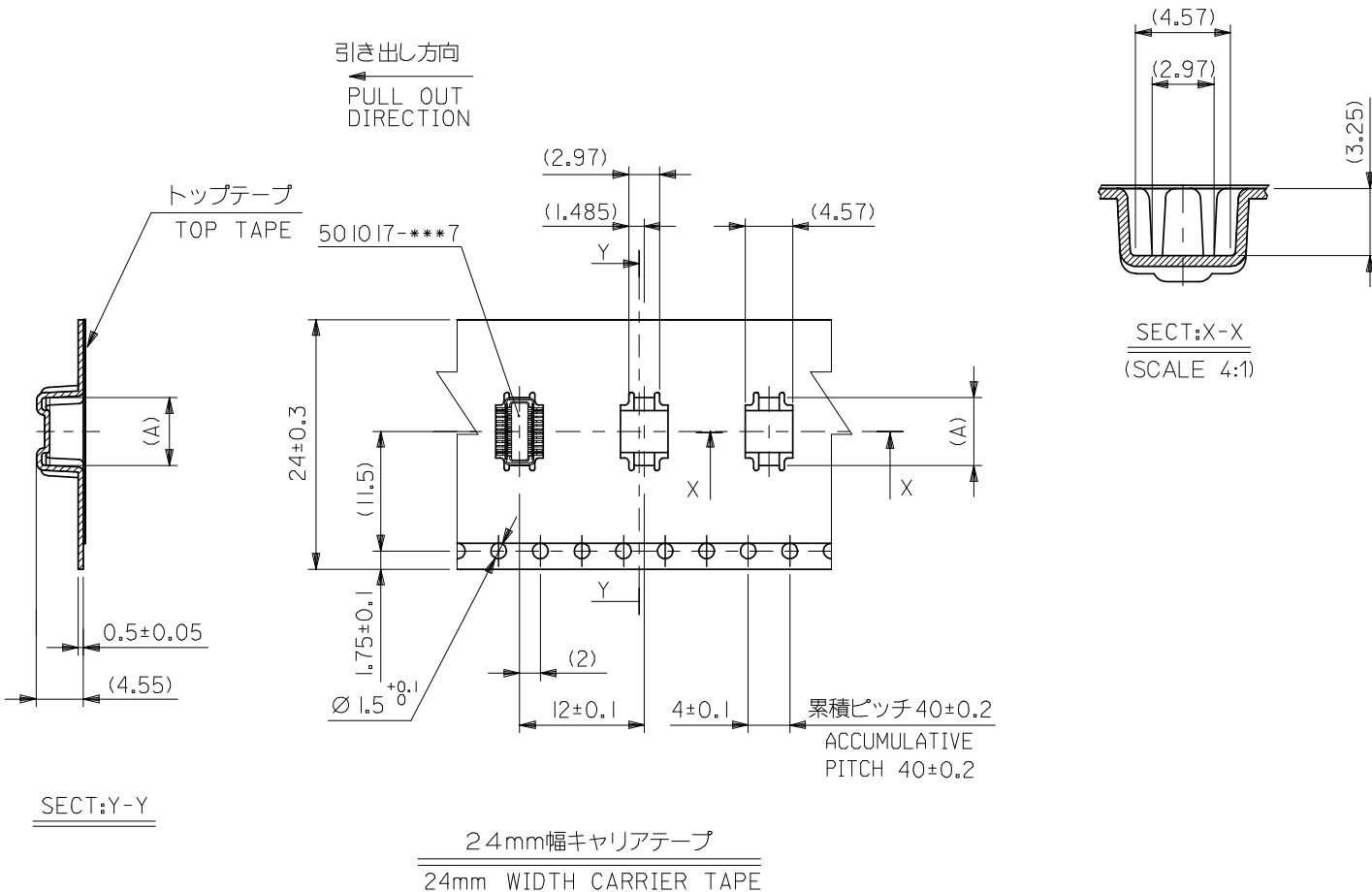
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24	25.5	6.55	501017-0248	24
キャリアテープ幅 CARRIER TAPE WIDTH	B	A	MATERIAL NO.	極数 CKT.

MODEL NO. 501017-***8

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		ANGULAR ±3 °		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