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Part Number:

5010171008

Status:

Active

Description:

0.40mm (.016") Pitch Board-to-Board Receptacle, SMT, Dual Row, Vertical, 4.00mm (.157") Stacking Height, 100 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-54684-008 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Product Name

PCB Headers

501017

Board-to-Board

N/A

Physical

Breakaway

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Polarized to Mating Part

Polarized to PCB

Stackable

Temperature Range - Operating

Termination Interface: Style

No

100

Brown

30

No

No

No

None

None

0.157 In

4.00 mm

Phosphor Bronze

Gold

Gold

2

Vertical

No

None

Embossed Tape on Reel

0.016 In

0.40 mm

0.016 In

0.40 mm

No

No

No

-25°C to +105°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.3A

30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

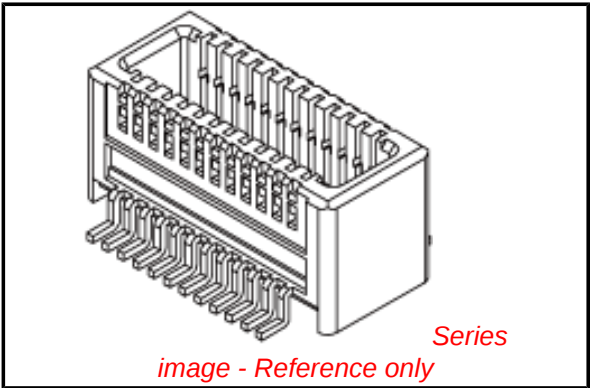
Product Specification

Sales Drawing

SPK-501017-001

PS-54684-008, RPS-54684-017

SD-501017-001, SD-501017-002



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

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

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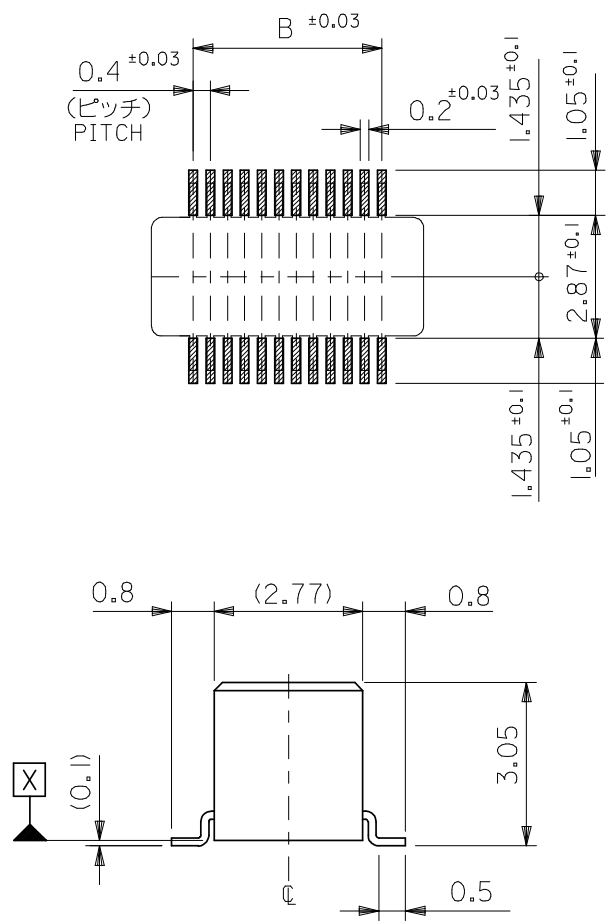
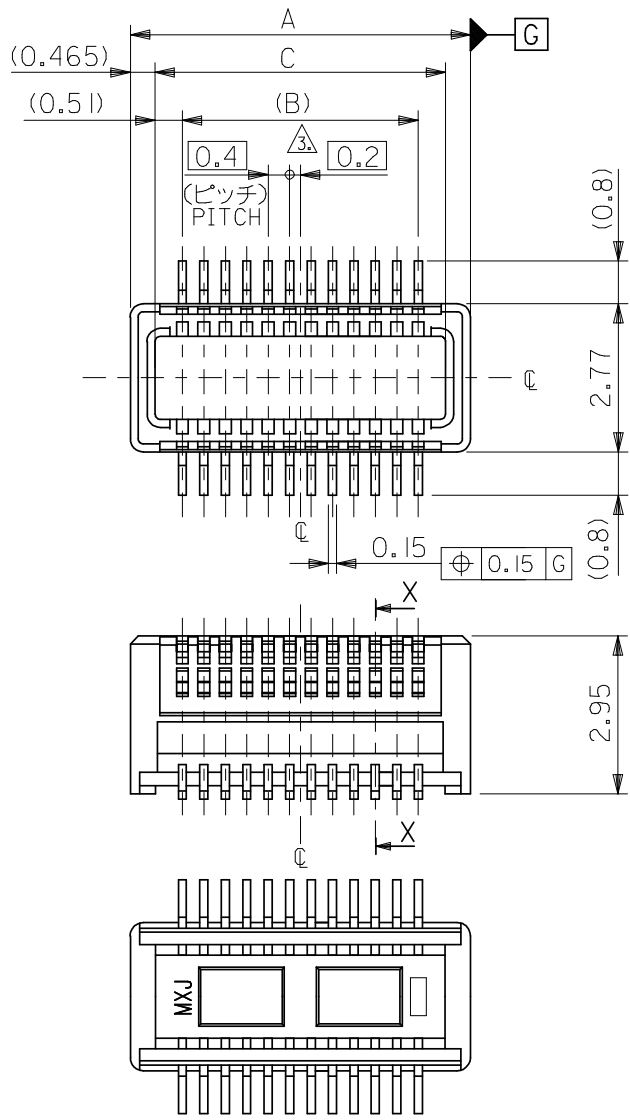
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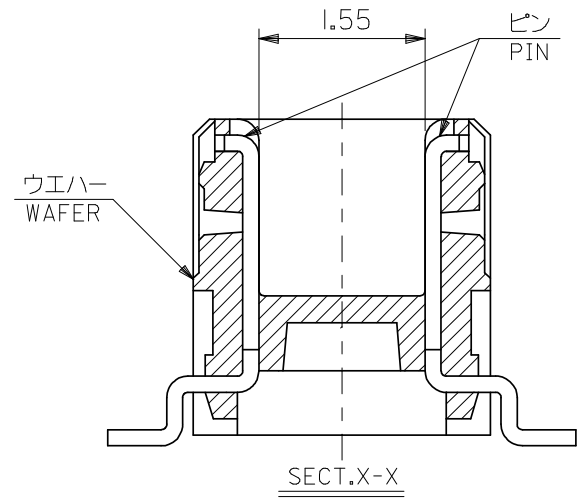
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参考基板レイアウト (マウント面)
RECOMMENDED P.C.BOARD
PATTERN DIMENSION. (REF.)
(MOUNTING AREA)



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

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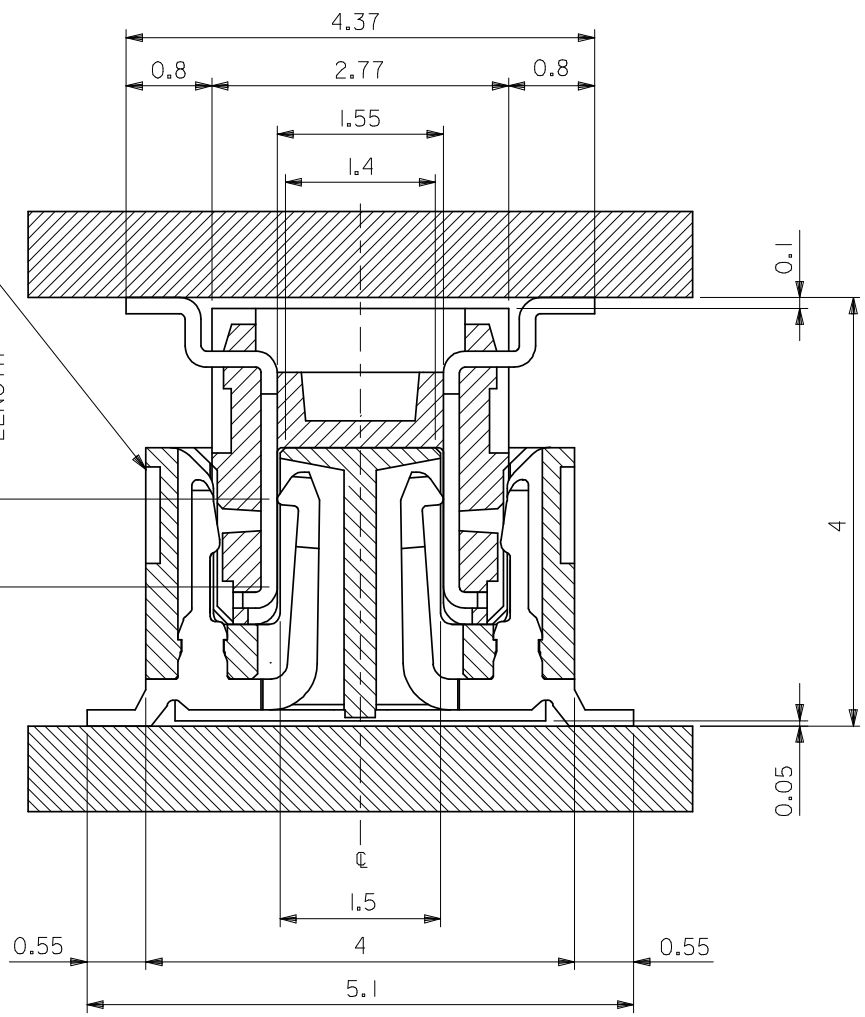
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嵌合相手
MATE WITH
54684-***7

有効嵌合長
MATING
LENGTH
0.9



嵌合断面図 (参考)
MATED DRAWING (REF.)

注記 NOTES:

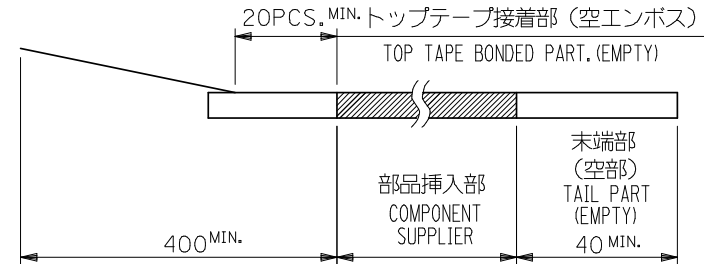
1. 使用材料 MATERIAL
ウエハー:液晶ポリマー ガラス充填 UL94V-0 茶色
WAFER:LIQUID CRYSTAL POLYMER
GLASS FILLED UL94V-0
COLOR BROWN
ピン:リン青銅 (t=0.15)
PIN:PHOSPHOR BRONZE (t=0.15)
2. メッキ仕様 PLATING
金メッキ 0.25 マイクロメートル以上 (コンタクト部)
GOLD 0.25MICROMETER MINIMUM (CONTACT AREA)
金メッキ 0.4 マイクロメートル以下 (テール部)
GOLD 0.4MICROMETER MAXIMUM (TAIL 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.

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 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				2 OF 2	
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

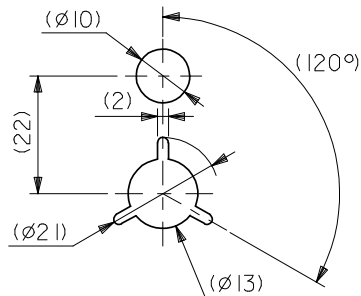
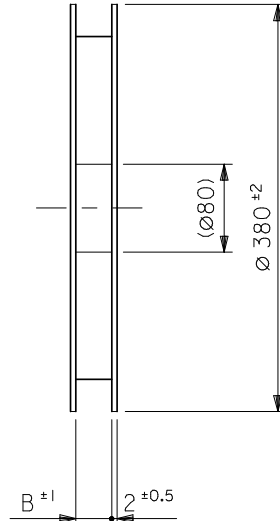
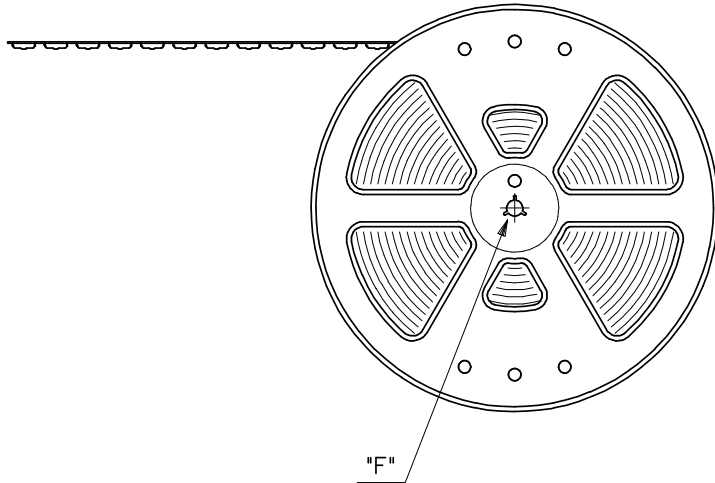
NOTES

- 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



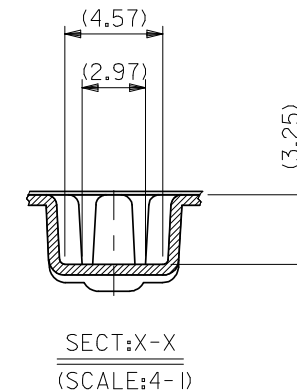
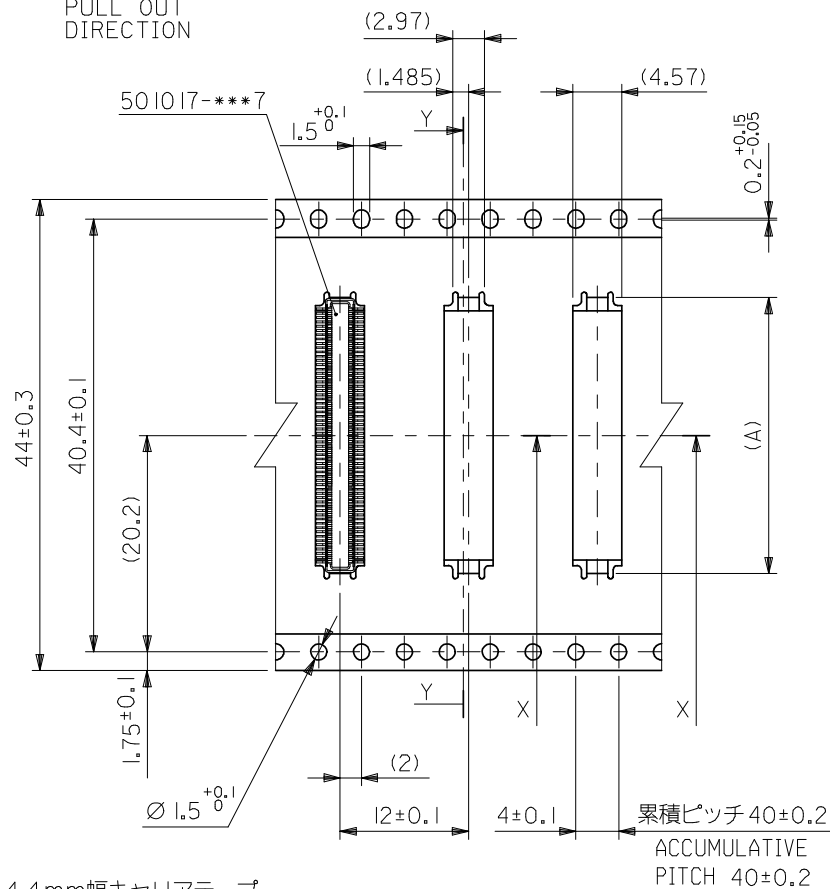
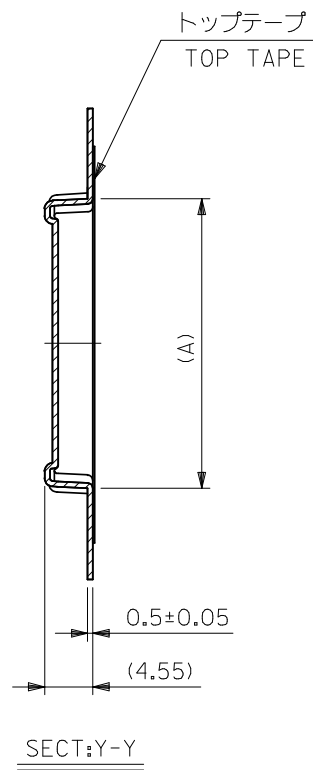
DETAIL "F"

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 DRWN:YMAEDA 2007/12/04 CHKD: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		
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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. SEE TABLE		DOCUMENT NO. SD-501017-002			SHEET NO. 2 OF 4	
	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						
	REV									

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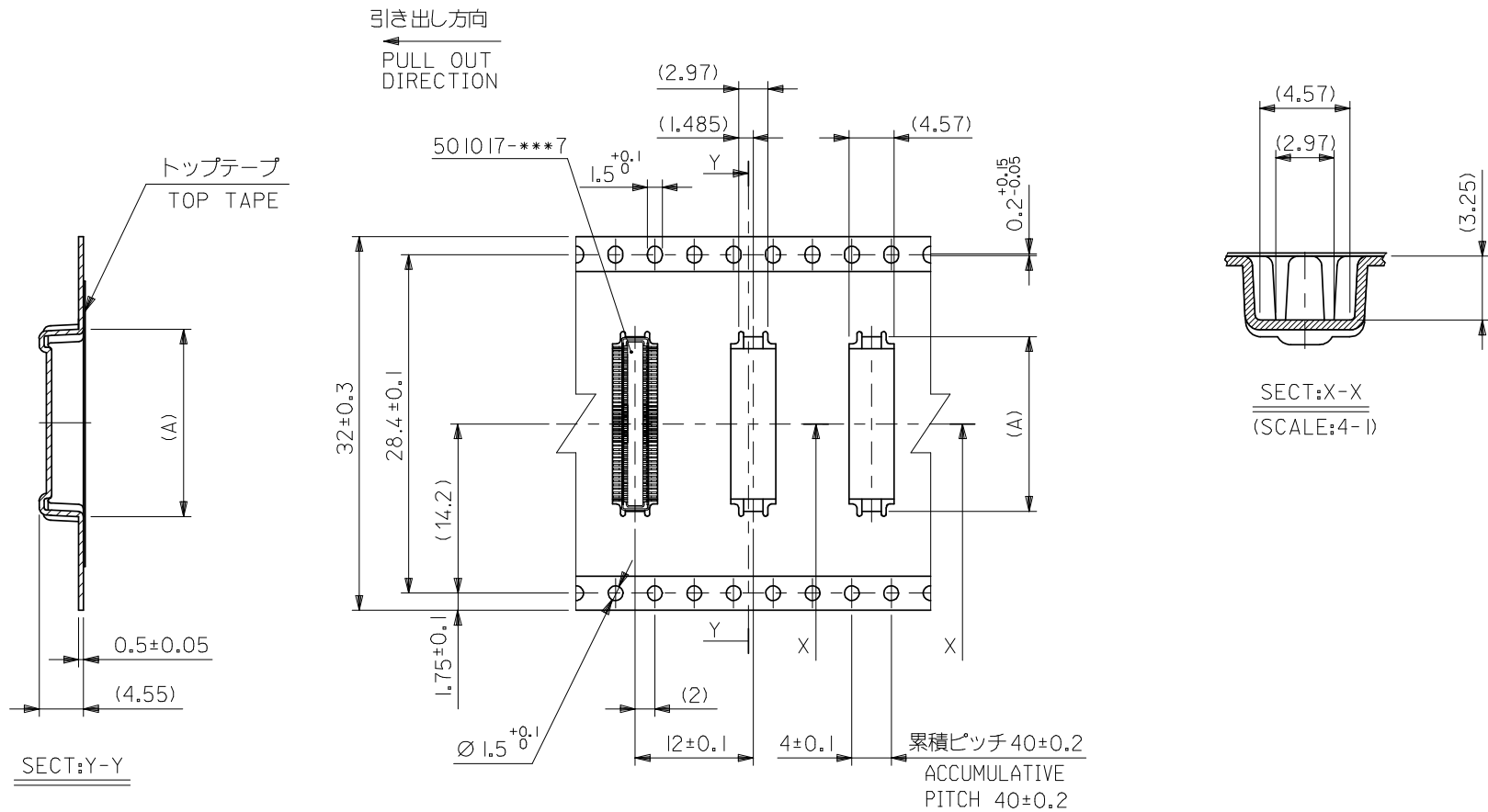
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32 mm幅キャリアテープ
32 mm WIDTH CARRIER TAPE

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

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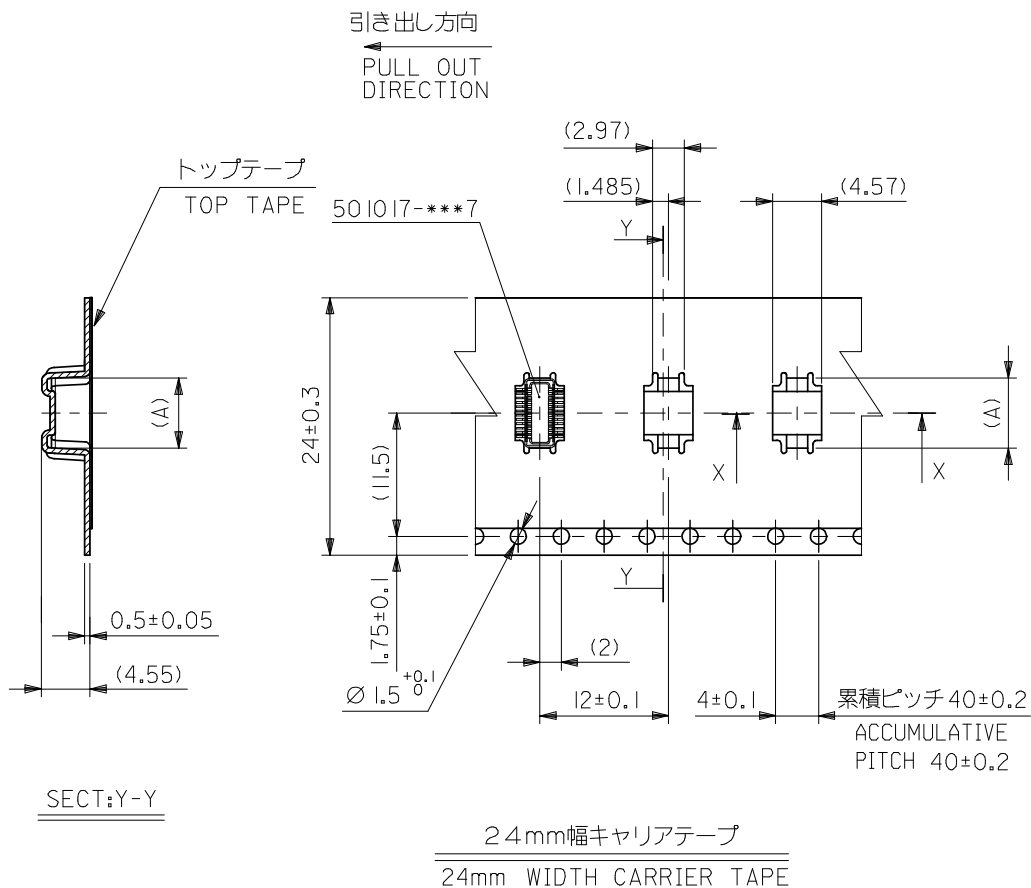
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24	25.5	6.55	501017-0248	24
キャリアテープ幅 CARRIER TAPE WIDTH	B	A	MATERIAL NO.	極数 CKT.

MODEL NO. 501017-***8

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