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Part Number:

5009130402

Status:

Active

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board Receptacle, Surface Mount, Dual Row, Vertical Stacking, Mated Height of 1.80mm (071"), with Solder Tabs, 40 Circuits, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-500913-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Product Name

PCB Receptacles

500913

Board-to-Board

Solder Tab Plating: Lead-Free, Tin

SlimStack™

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Glow-Wire Compliant

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

40

40

Black

30

No

Yes

0.071 In

1.80 mm

Phosphor Bronze

Gold

Gold

High Temperature Thermoplastic

2

Vertical

0.000 In

0.00 mm

No

None

0.000 In

0.00 mm

Embossed Tape on Reel

0.016 In

0.40 mm

0.016 In

0.40 mm

10

0.25

2

0.05

No

No

No

Yes

-25°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

0.3A

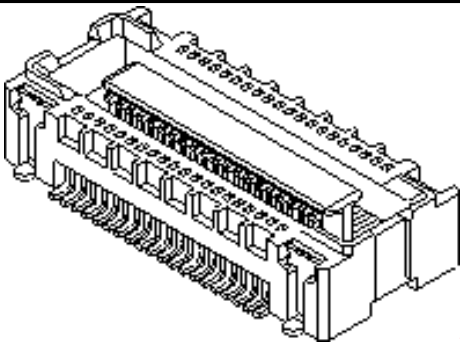


image - Reference only

Series

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

500913Series

Mates With

55909 PCB Header

Voltage - Maximum

50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification

PS-500913-001, RPS-500913-002, RPS-500913-003,
RPS-500913-005

Sales Drawing

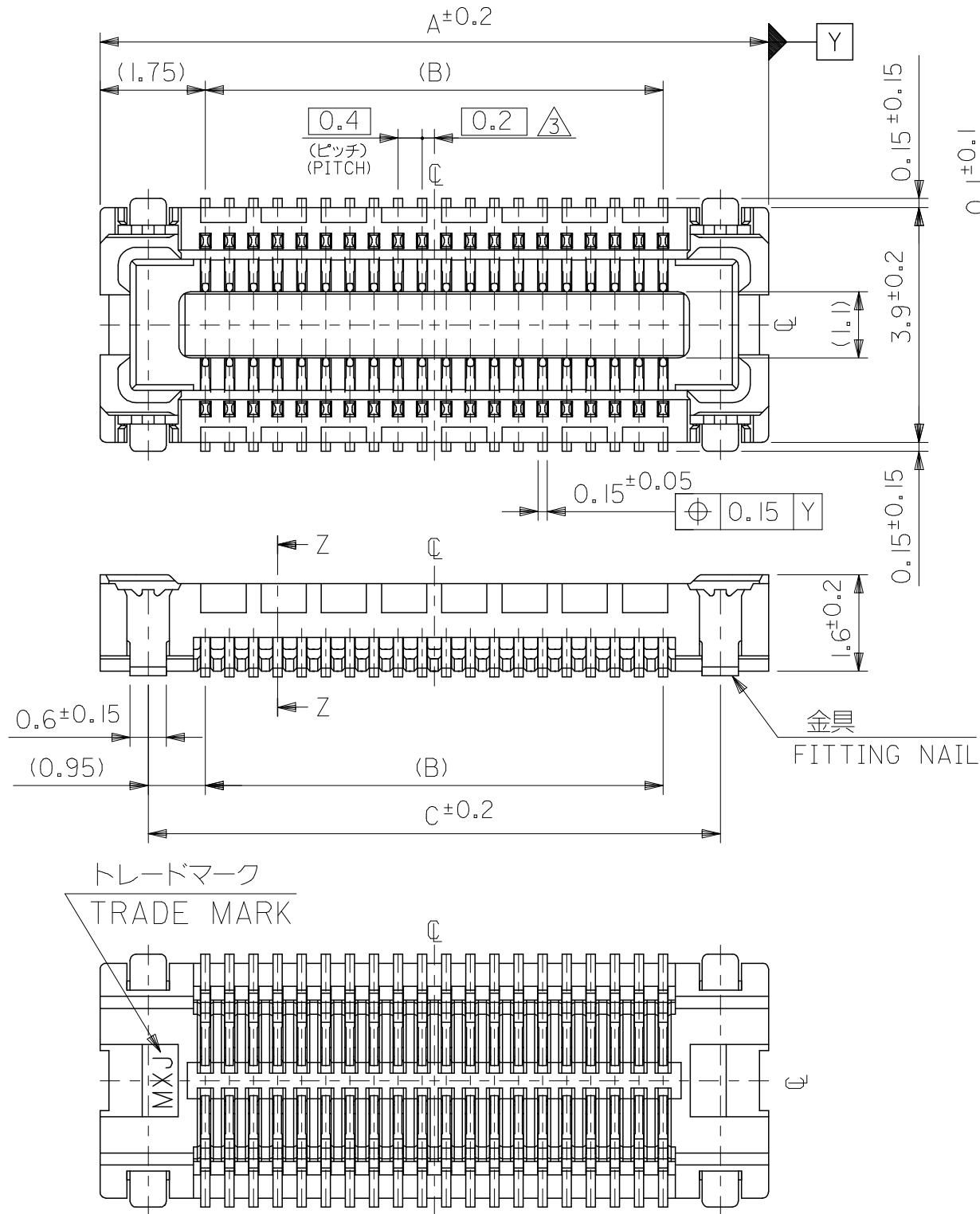
SD-500913-001, SD-500913-002

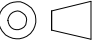
This document was generated on 04/19/2010

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- 注記 NOTES:
- 1. 使用材料 MATERIAL
ハウジング：液晶ポリマー（LCP） ガラス充填 UL94V-0（黒）
HOUSING: LIQUID CRYSTAL POLYMER(GLASS FILLED)
UL94V-0 (COLOR:BLACK)
ターミナル：リン青銅（t=0.15）
TERMINAL: PHOSPHOR BRONZE (t=0.15)
金具：リン青銅（t=0.15）
FITTING NAIL: PHOSPHOR BRONZE (t=0.15)
 - 2. メッキ仕様 PLATING
ターミナル TERMINAL
金メッキ 0.2マイクロメートル以上（コンタクト部）
GOLD 0.2MICROMETER 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
*コンタクト部とテール部はニッケルメッキによって分断されている金メッキです。
DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.
金具 FITTING NAIL
錫メッキ 1.0マイクロメートル以上
TIN PLATING 1.0MICROMETER 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 1.0MICROMETER MINIMUM
 - △3 (全極数/2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN.
 - 4. 嵌合相手：55909シリーズ
MATE WITH : 55909 SERIES.
 - 5. テール及び金具の平坦度は、0.1以下
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1MAXIMUM

21.5	19.6	23.1	500913-1008	100
19.5	17.6	21.1	500913-0908	90
15.5	13.6	17.1	500913-0708	70
13.5	11.6	15.1	500913-0608	60
11.5	9.6	13.1	500913-0508	50
9.5	7.6	11.1	500913-0408	40
7.5	5.6	9.1	500913-0308	30
6.3	4.4	7.9	500913-0248	24
C	B	A	MATERIAL NO.	CIRCUIT



REVISED EC NO: J2007-1419 DRWN: MWABEI CHKD: KTOYODA APPR: NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
				MM ONLY		10:1	METRIC		
		10 UNDER ± ---		DRAWN BY DATE		TITLE 0.4 B-TO-B CONN REC HSG ASSY (HGT=1.8MM) -LEAD FREE-			
				R. SUMIYA 2004/04/19					
		10 OVER 30 UNDER ± ---		CHECKED BY DATE		MOLEX MOLEX INCORPORATED			
				M. SASAO 2004/04/19					
30 OVER ± ---		APPROVED BY DATE		DOCUMENT NO. SD-500913-001					
		M. SASAO 2004/04/19							
ANGULAR ± --- °		MATERIAL NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		1 OF 2					
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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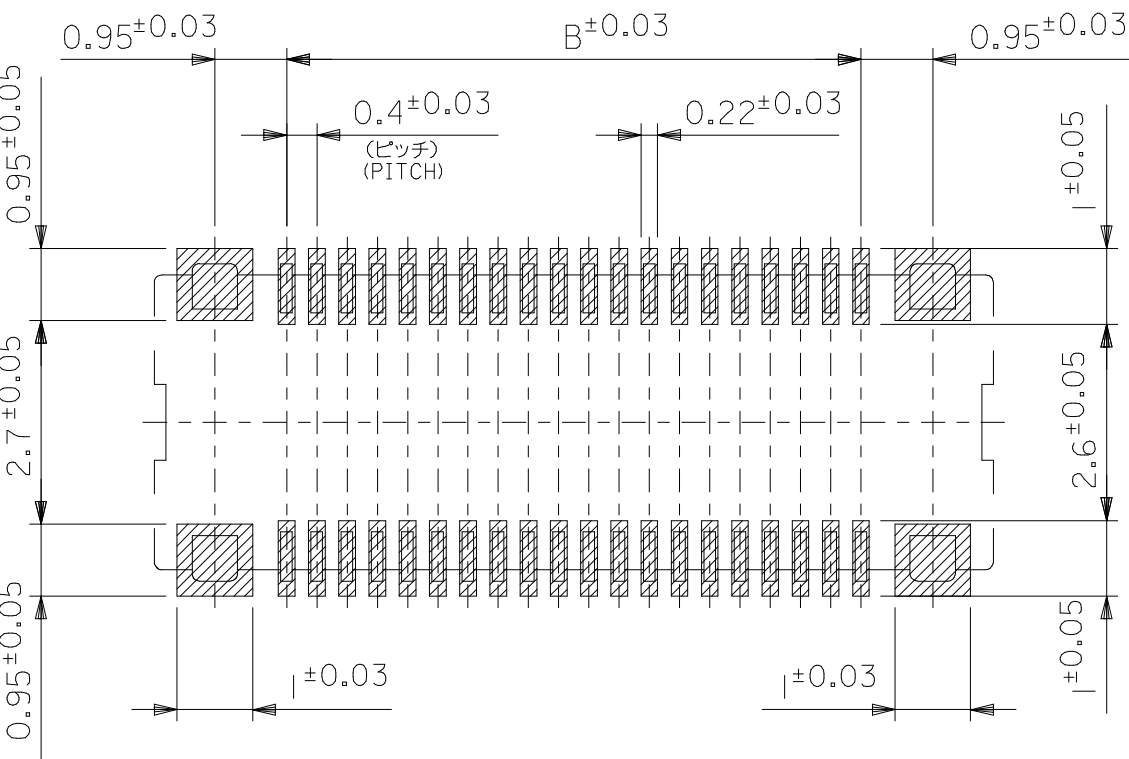
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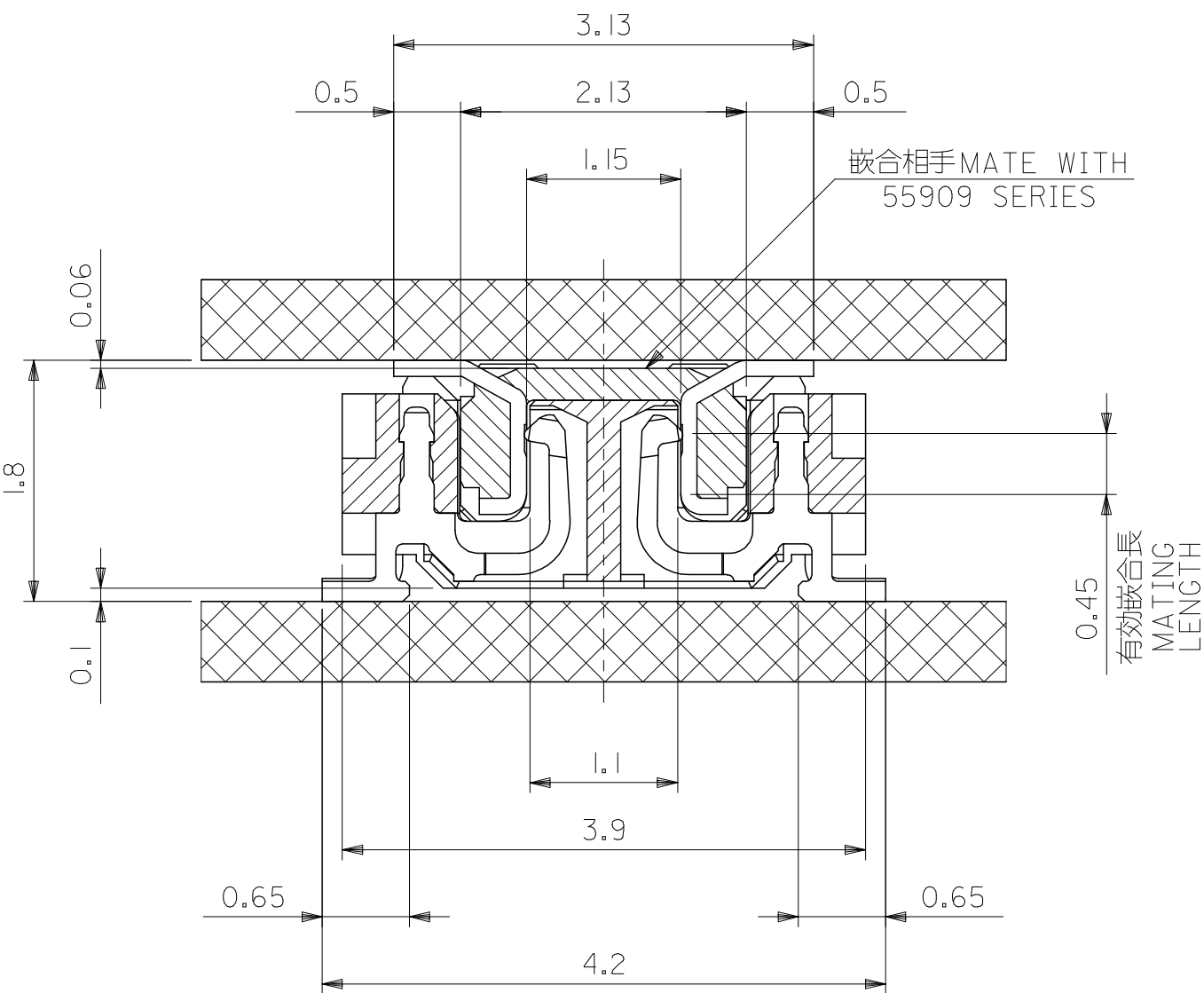
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参考基板レイアウト (マウント面)
P.C.BOARD PATTERN DIMENSION. (REFERENCE)
(MOUNTING AREA)



嵌合断面図 (参考)
MATED DRAWING (REFERENCE)

REVISED	EC NO: J2007-1419	DRWN:MNABEI	CH'KD:KTOYODA	APPR:NUKITA	2006/11/16
					2006/11/20
					2006/11/21

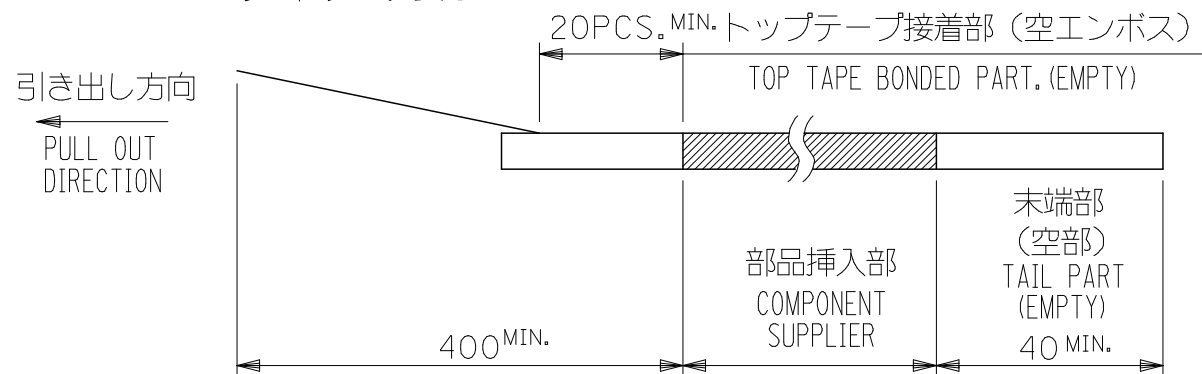
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REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	MATERIAL NO. SEE CHART	APPROVED BY M. SASAO	DATE 2004/04/19	DOCUMENT NO. SD-500913-001	SHEET NO. 2 OF 2

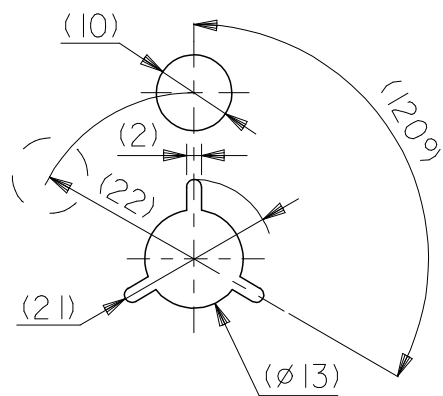
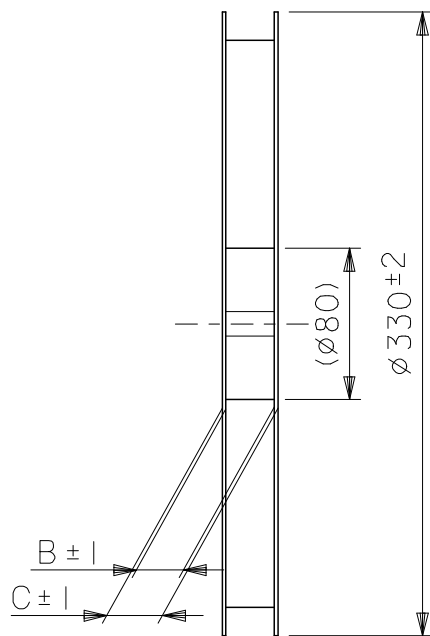
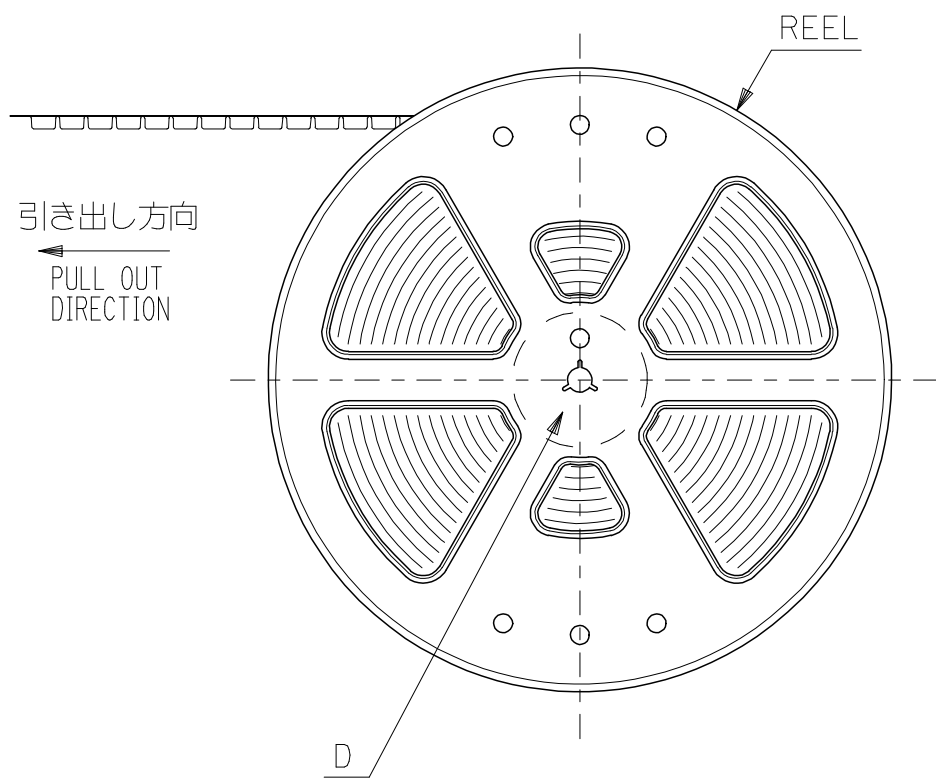
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	MATERIAL NO. SEE CHART	APPROVED BY M. SASAO	DATE 2004/04/19	DOCUMENT NO. SD-500913-001	SHEET NO. 2 OF 2

NOTES

- 製品詳細寸法については製品単体図面SD-500913-001を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING NO. SD-500913-001.
- 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



- 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>



DETAIL D

REVISED EC NO: J2007-1419 DRWN: MNABEI 2006/11/16 CHKD: KTOYODA 2006/11/20 APPR: NUKITA 2006/11/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				DRAWN BY R. SUMIYA		DATE 2004/04/19	TITLE 0.4 B-TO-B REC HSG ASSY (HGT=1.8) EMBSTP PKG -LEAD FREE-		
		10 UNDER		± ---	CHECKED BY M. SASAO				DATE 2004/04/19
		10 OVER 30 UNDER		± ---	APPROVED BY M. SASAO				DATE 2004/04/19
		30 OVER		± ---	 MOLEX INCORPORATED				
		ANGULAR ± --- °		MATERIAL NO. SEE CHART					DOCUMENT NO. SD-500913-002
	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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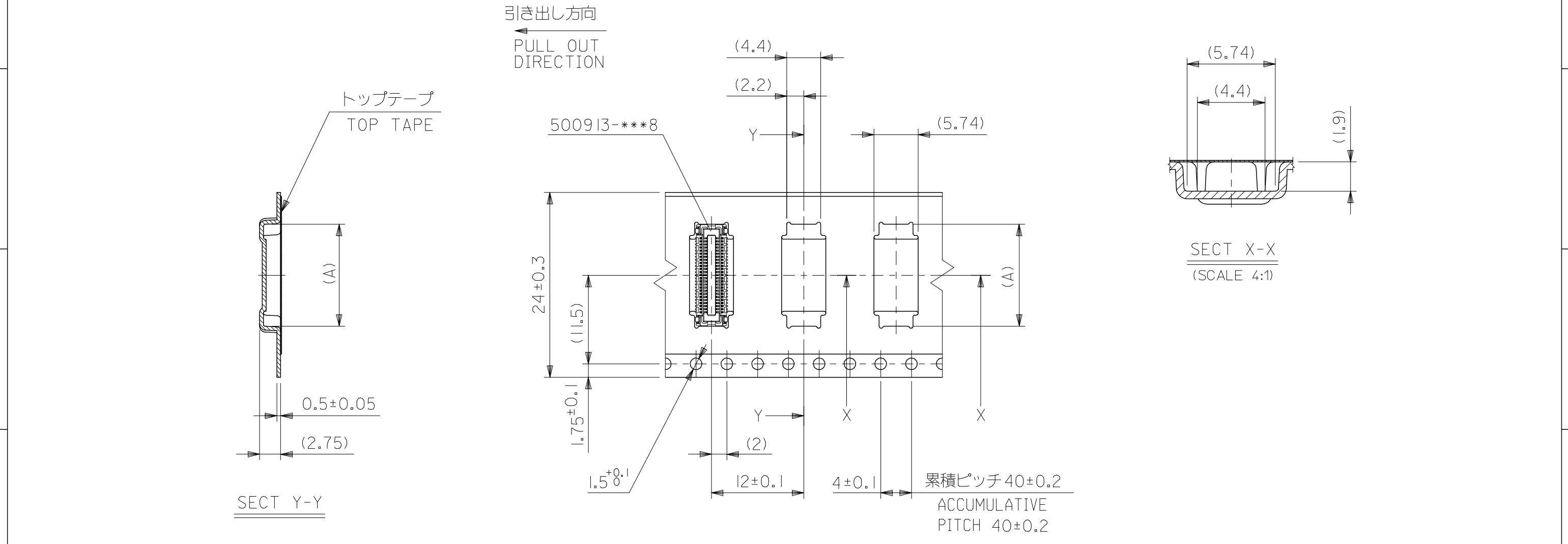
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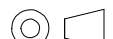
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24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	29.4	25.4	15.26	500913-0602	60
			13.26	500913-0502	50
			11.26	500913-0402	40
			9.26	500913-0302	30
			8.06	500913-0242	24
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	CIRCUIT

REVISED EC NO: J2007-1419 DRWN:MNABEI CHK'D:KTOYODA APPR:NUKITA		DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		500913-***2		MODEL NO.	
					MM ONLY		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
			10 UNDER ± ---		DRAWN BY	DATE	TITLE 0.4 B-TO-B REC HSG ASSY (HGT=1.8) EMBSTP PKG -LEAD FREE-			
			10 OVER 30 UNDER ± ---		CHECKED BY	DATE				
			30 OVER ± ---		APPROVED BY	DATE				
			ANGULAR ± --- °		M. SASAO	2004/04/19				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
SEE CHART		SD-500913-002			2 OF 4					
REV		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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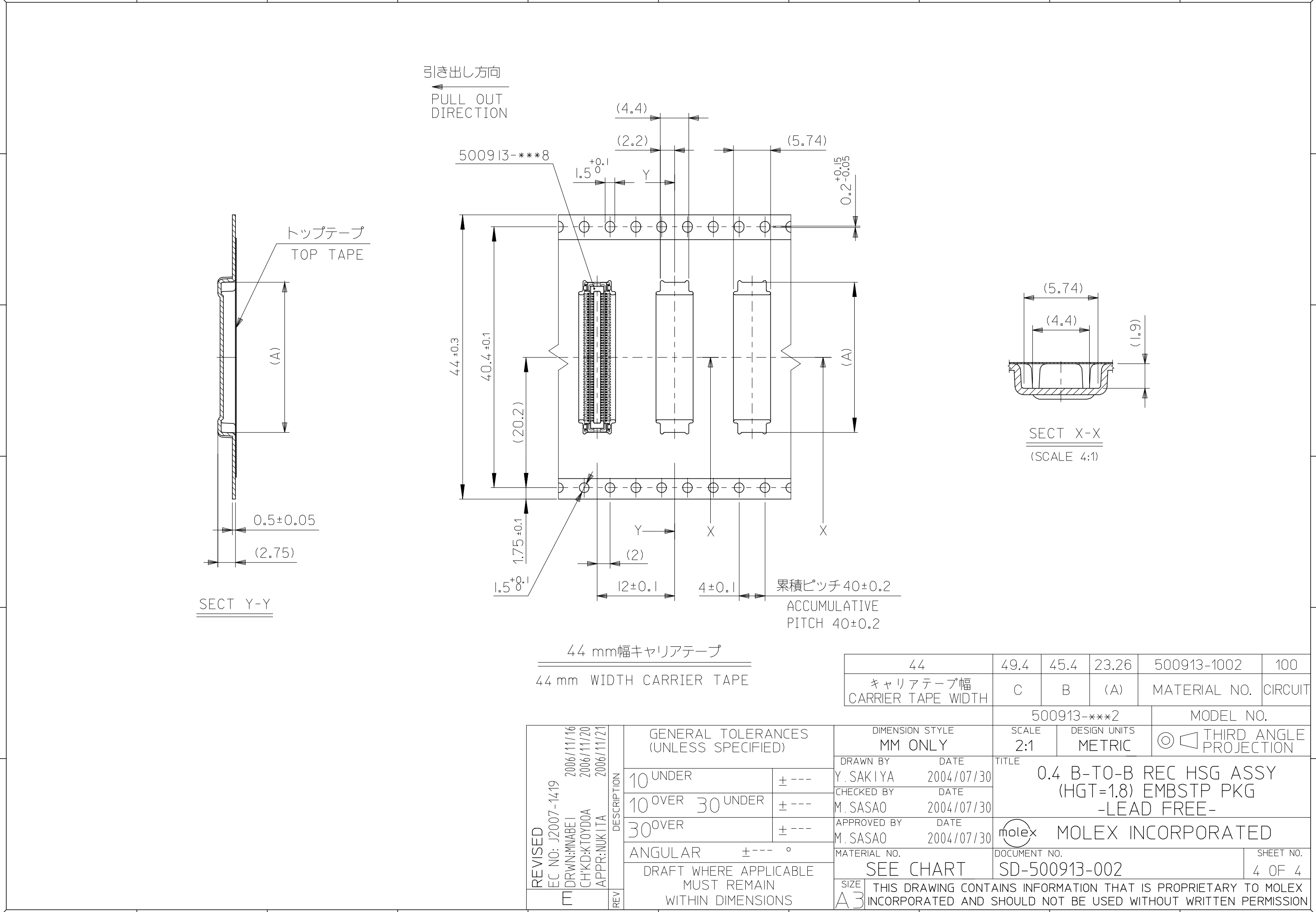
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<http://moschip.ru/get-element>

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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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