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Part Number:

5017450401

Status:

Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board Plug, Surface Mount, Dual Row, Vertical, Lead-free, 40 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-51338-003 (PDF)

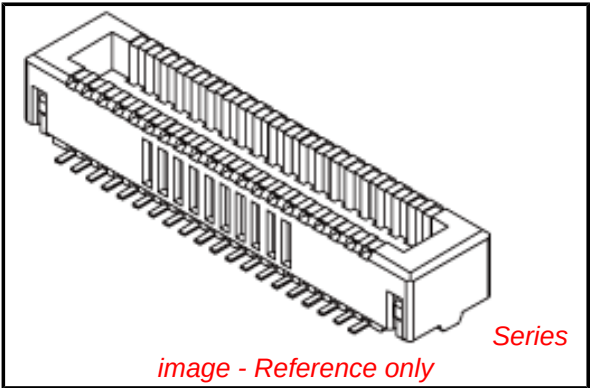
RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	501745
Application	Board-to-Board
Comments	Solder Tab Plating: Tin
Overview	slimstack_mm016_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	40
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height (in)	0.079 In, 0.091 In
Mated Height (mm)	2.00 mm, 2.30 mm
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.016 In
Pitch - Mating Interface (mm)	0.40 mm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	0.3A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers	
Packaging Specification	SPK-501745-001
Product Specification	PS-51338-003, RPS-51338-029
Sales Drawing	SD-501745-001, SD-501745-002



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

501745Series

Mates With

51338 PCB Receptacle. 500913 PCB Receptacle

This document was generated on 05/26/2010

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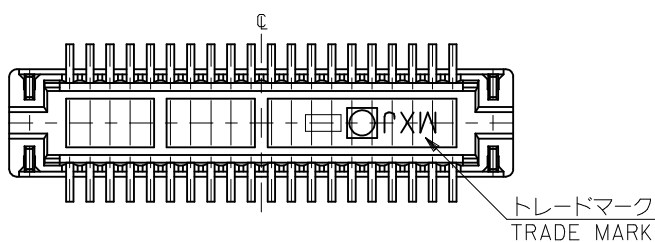
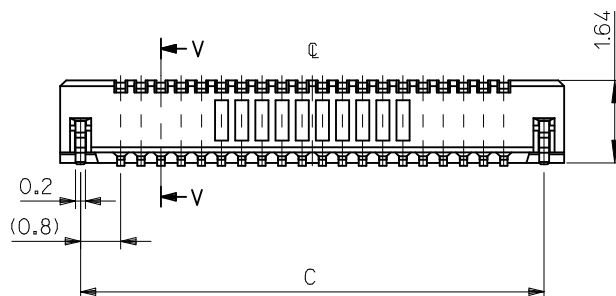
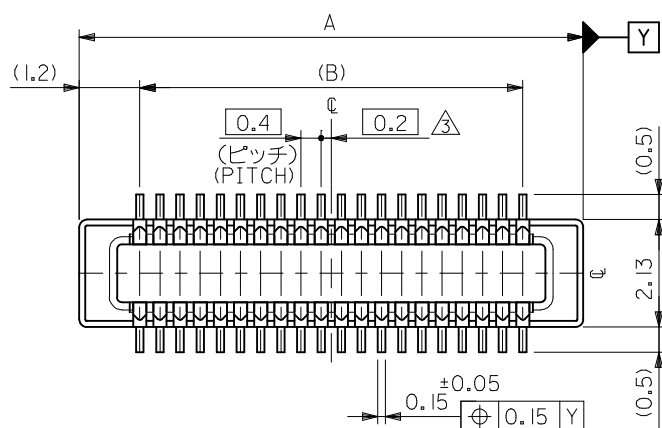
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注記 NOTES:

1. 使用材料 MATERIAL

ウェハー: 液晶ポリマー (LCP) ガラス充填 UL94V-0 (黒)
 WAFER: LIQUID CRYSTAL POLYMER (GLASS FILLED)
 UL94V-0 (COLOR: BLACK)

ピン: 黄銅 (t=0.12)

PIN: BRASS (t=0.12)

金具: リン青銅 (t=0.2)

FITTING NAIL: PHOSPHOR BRONZE (t=0.2)

2. メッキ仕様 PLATING

ピン PIN

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)

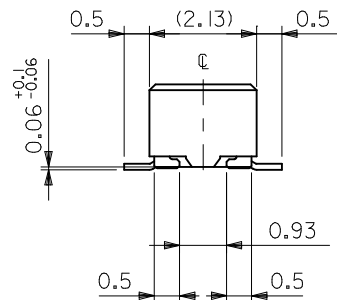
下地メッキ: ニッケルメッキ 1.5 マイクロメートル以上
 UNDER PLATING: NICKEL 1.5MICROMETER MINIMUM

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

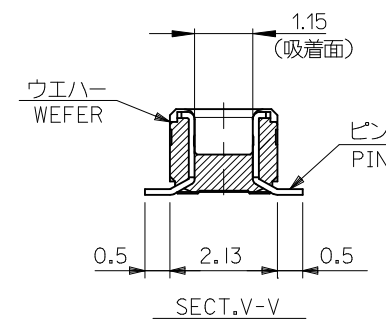


③ (全極数/2) = 偶数の場合に適用。
 APPLY FOR (CIRCUIT/2)=EVEN.

4. 嵌合相手: 51338シリーズ, 500913シリーズ
 MATE WITH: 51338 SERIES, 500913SERIES.

5. テール平坦度は、0.08以下
 テール及び金具の平坦度は、0.1以下
 TAIL COPLANARITY TO BE 0.08MAXIMUM
 TAIL AND FITTING NAIL
 COPLANARITY TO BE 0.1 MAXIMUM

6. ELV 及び RoHS 適合品
 ELV AND RoHS COMPLIANT.



-	O	17.2	15.6	18.0	501745-0801	80
O	O	13.2	11.6	14.0	501745-0601	60
O	O	11.2	9.6	12.0	501745-0501	50
O	O	9.2	7.6	10.0	501745-0401	40
-	O	8.0	6.4	8.8	501745-0341	34
2.3	2.0	C	B	A	EMBOSSED PACKAGE	CKT.
MATED HEIGHT				ORDER NO. オーダー番号		

CONNECTOR SERIES No. 501745-***0

REVISED EC NO: J2010-0060 DRAWN BY: AKASHI 03/2009/08/07 CHKD: THARYAMA 2009/08/17 APPR: MSASAO 2009/08/17	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		10 UNDER	± 0.2	DRAWN BY K. SAITO	DATE 2007/03/01	TITLE 0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) WITH NAIL					
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. KASAHARA	DATE 2007/03/01						
		30 OVER	± 0.3	APPROVED BY N. UKITA	DATE 2007/03/01						
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.					SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501745-001					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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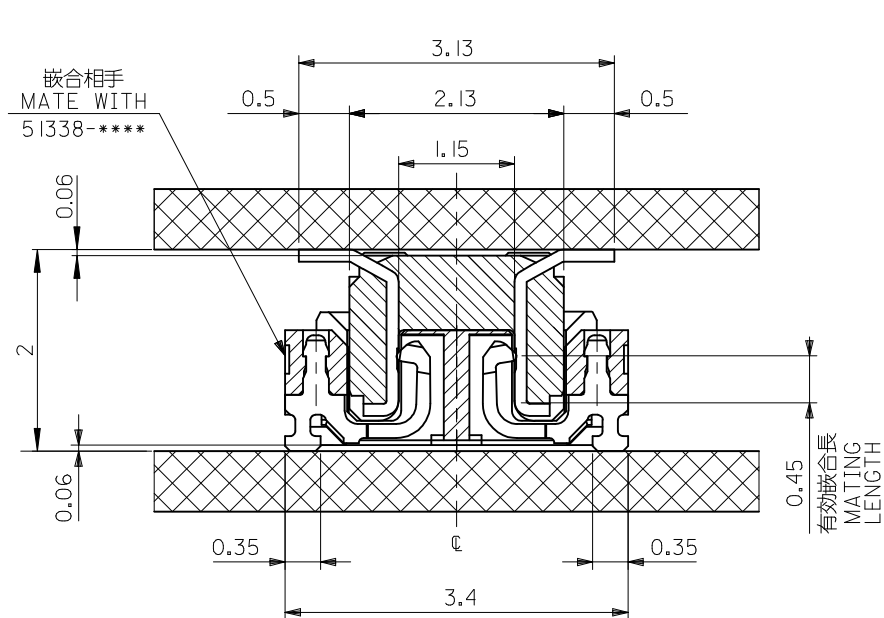
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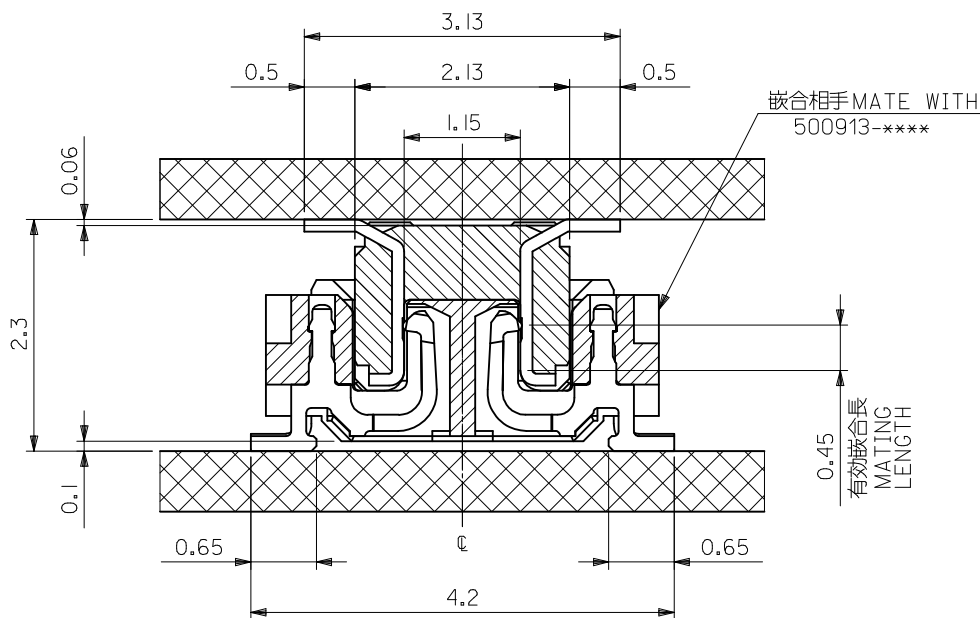
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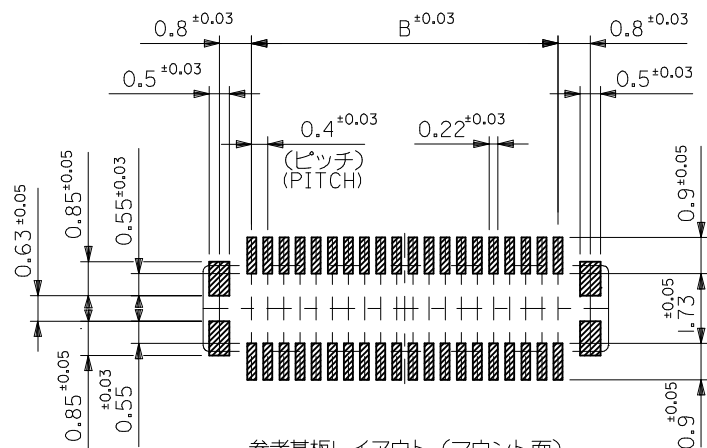
A



嵌合断面図 (参考)
MATED DRAWING (REFERENCE)



嵌合断面図 (参考)
MATED DRAWING (REFERENCE)



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

REVISED EC NO: J2010-0060 DRWN: TAKAHASHI 03 2009/08/07 CHKD: THIRATA 2009/08/17 APPR: MSASAO 2009/08/17	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY K. SAITO	DATE 2007/03/01	TITLE 0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) WITH NAIL				
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		30 OVER	±0.3	APPROVED BY N. UKITA	DATE 2007/03/01	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET1		SD-501745-001		2 OF 2		
	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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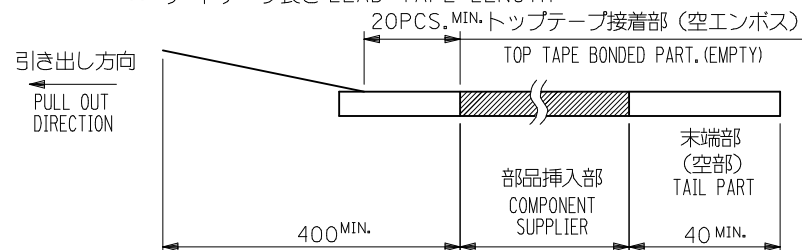
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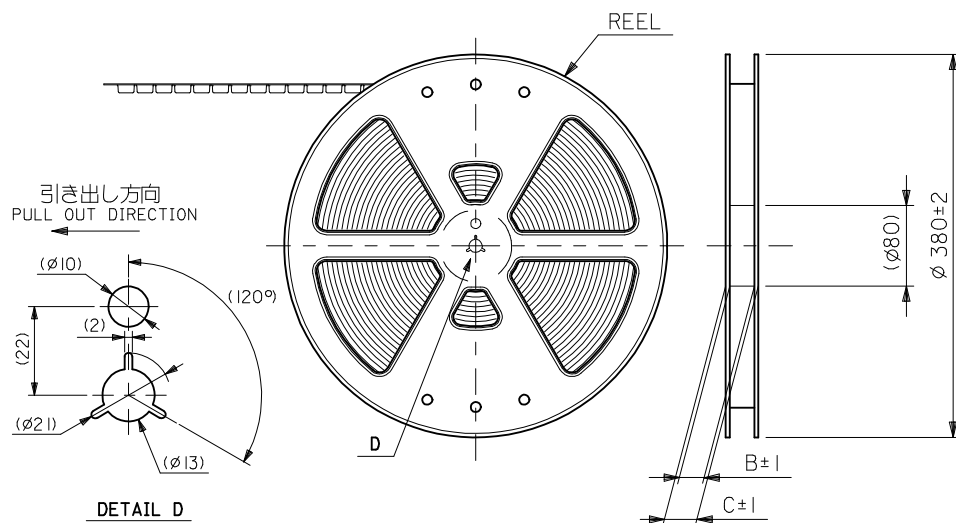
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NOTES

- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量：2500個/リール
NUMBER OF CONNECTORS : 2500PCS/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>
- ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT.



CONNECTOR SERIES No. 501745-***1

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

REVISED
EC NO: J2010-0060
DRWN:MTAKAHASHI 03 2009/08/07
CHKD:THIRATA 2009/08/17
APPR:MSASAO 2009/08/17
C

DESCRIPTION

GENERAL TOLERANCES
(UNLESS SPECIFIED)10 UNDER ± 0.2 10 OVER 30 UNDER ± 0.25 30 OVER ± 0.3 ANGULAR $\pm 3^\circ$ DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

K. SAITO

2007/03/01

CHECKED BY

DATE

K. KASAHARA

2007/03/01

APPROVED BY

DATE

N. UKITA

2007/03/01

MATERIAL NO.

SEE TABLE

SIZE

A3

TITLE

0.4 B-TO-B CONN.
PLUG ASSY (HGT=2/2.3)
EMBSTP PKG

MOLEX

MOLEX INCORPORATED

DOCUMENT NO.

SD-501745-002

SHEET NO.

1 OF 3

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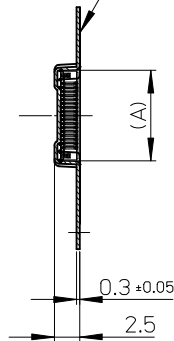
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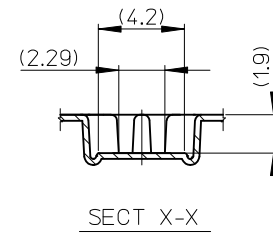
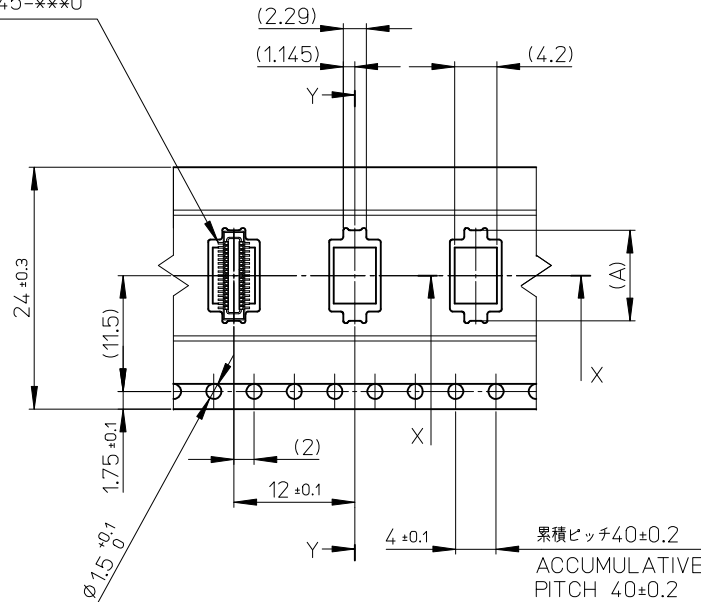
引き出し方向

PULL OUT
DIRECTION

501745-***0

トップテープ
TOP TAPE

SECT Y-Y



SECT X-X

24	29.4	25.4	14.16	501745-0601	60
			12.16	501745-0501	50
			10.16	501745-0401	40
			8.96	501745-0341	34
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	EMBOSSED PACKAGE ORDER NO.	極数 CKT.

REVISED EC NO: J2010-0060 DRWN:MTAKASHI03/2009/08/07 CHKD:THIRATA 2009/08/17 APPR:MSASAO 2009/08/17	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY K.SAITO	DATE 2007/03/01	TITLE 0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) EMBSTP PKG			
		10 OVER 30 UNDER	±0.25	CHECKED BY K.KASAHARA	DATE 2007/03/01				
		30 OVER	±0.3	APPROVED BY N.UKITA	DATE 2007/03/01	 MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501745-002		2 OF 3		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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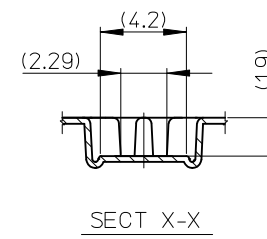
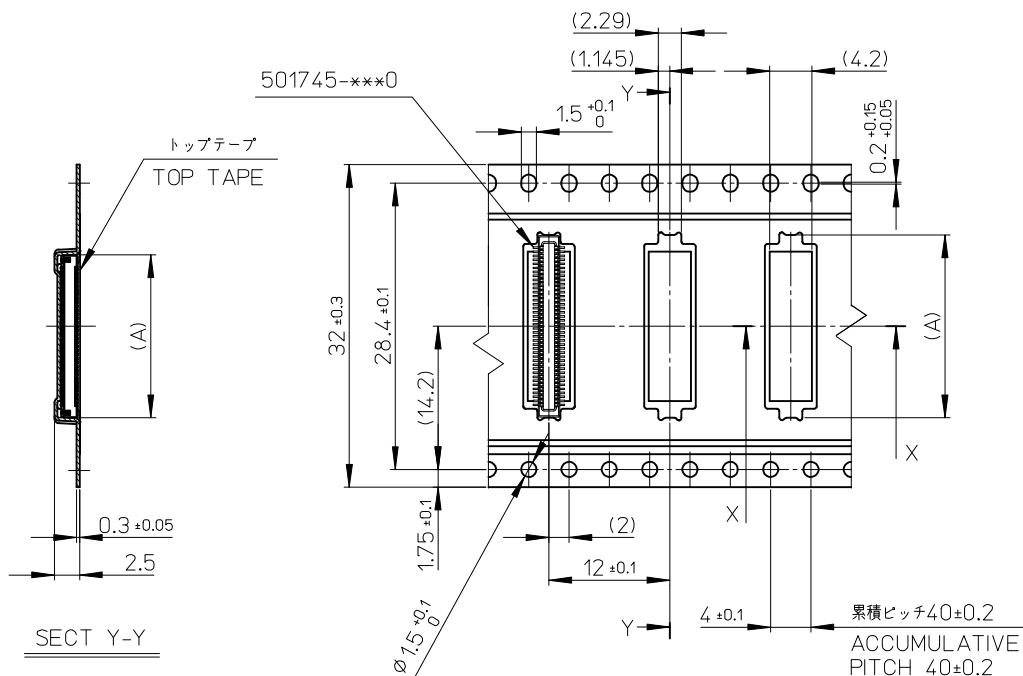
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10 9 8 7 6 5 4 3 2 1

引き出し方向
PULL OUT
DIRECTION



32	37.4	33.4	18.16	501745-0801	80
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	EMBOSSED PACKAGE ORDER NO.	極数 CKT.

CONNECTOR SERIES No. 501745-***1

REVISED EC NO: J2010-0060 DRWN:MTAKAHASHI032009/08/07 CHKD:THIRATA 2009/08/17 APPR:MSASAO 2009/08/17 C	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	K. SAITO	2007/03/01	TITLE 0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) EMBSTP PKG MOLEX INCORPORATED				
		10 OVER 30 UNDER	± 0.25	K. KASAHARA	2007/03/01					
		30 OVER	± 0.3	N. UKITA	2007/03/01					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501745-002		3 OF 3		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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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:

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