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Part Number:

5017450601

Status:

Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board Plug, Surface Mount, Dual Row, Vertical, Lead-free, 60 Circuits

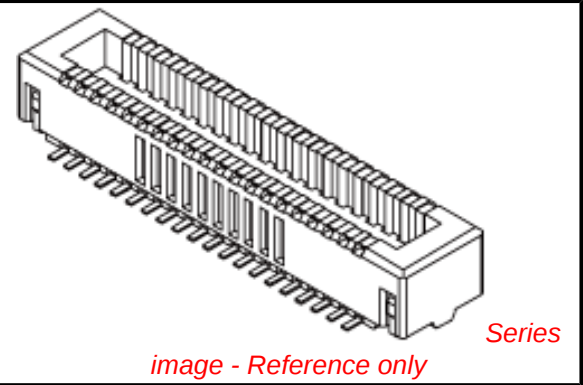


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-500913-002 \(PDF\)](#)
- [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)	60
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-500913-002, 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

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 06/07/2010

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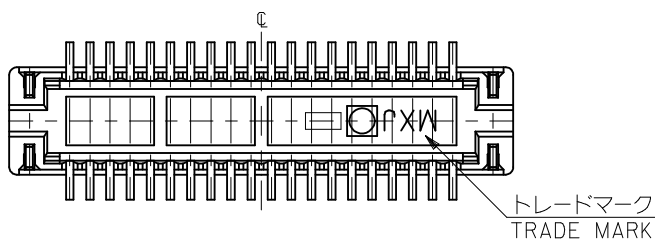
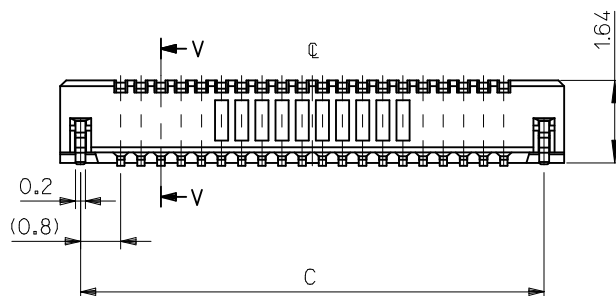
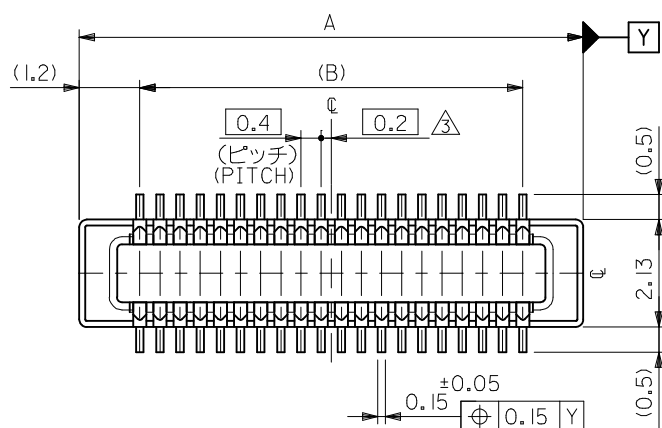
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注記 NOTES:

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)

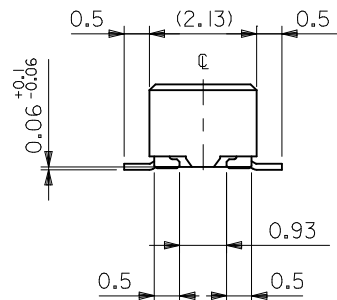
金メッキ 0.4 マイクロメートル以下 (テール部)
 GOLD 0.4MICROMETER MAXIMUM (TAIL AREA)

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

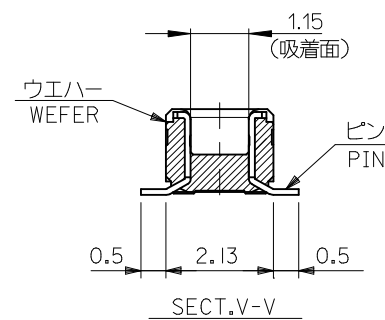


③ (全極数/2) = 偶数の場合に適用。
 APPLY FOR (CIRCUIT/2)=EVEN.

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		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
EC NO: J2010-0060		10 UNDER ±0.2		DRAWN BY K. SAITO		DATE 2007/03/01		TITLE			
DRWN: MTAKAHASHI 03 2009/08/07		10 OVER 30 UNDER ±0.25		CHECKED BY K. KASAHARA		DATE 2007/03/01					
CHKD: THARUYAMA 2009/08/17		30 OVER ±0.3		APPROVED BY N. UKITA		DATE 2007/03/01					
APPR: MSASAO 2009/08/17		ANGULAR ±3 °		MATERIAL NO.							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE							
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

0.4 B-TO-B CONN.
 PLUG ASSY (HGT=2/2.3)
 WITH NAIL

MOLEX INCORPORATED

DOCUMENT NO. SD-501745-001 SHEET NO. 1 OF 2

10 9 8 7 6 5 4 3 2 1

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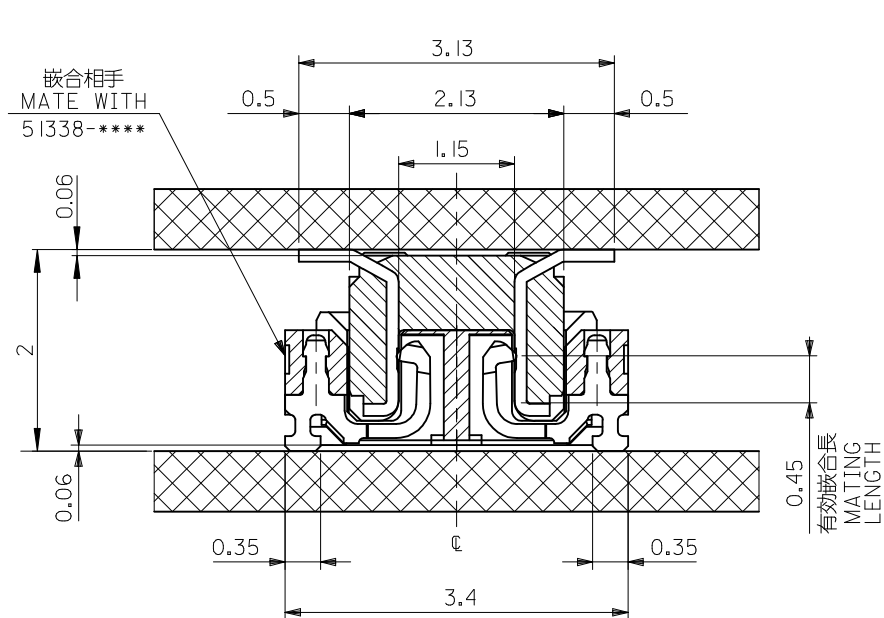
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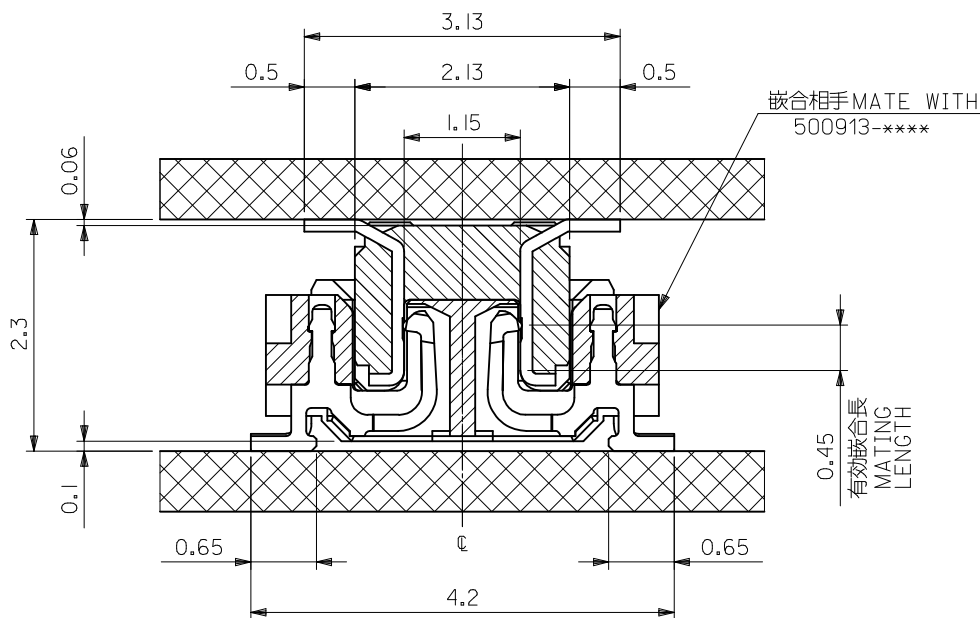
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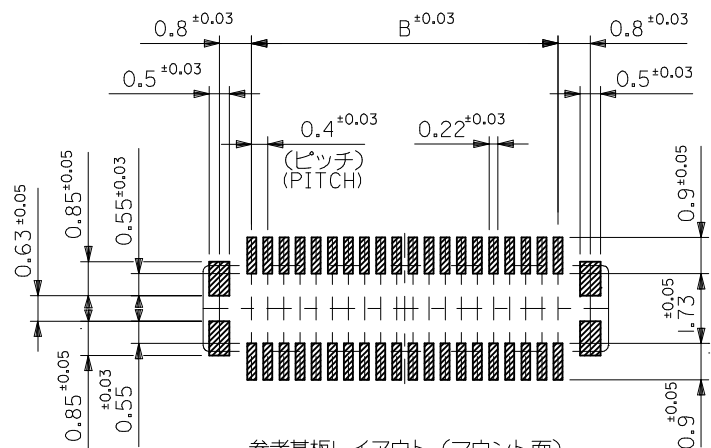
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嵌合断面図 (参考)
MATED DRAWING (REFERENCE)



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 REV C	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	MOLEX 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
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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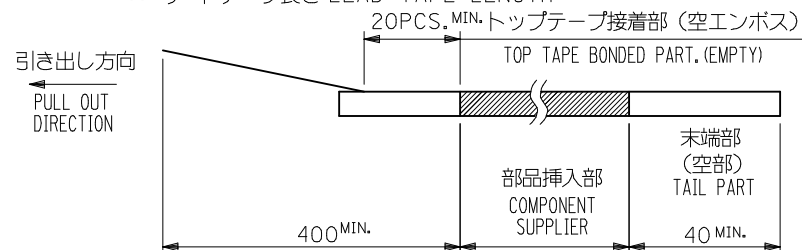
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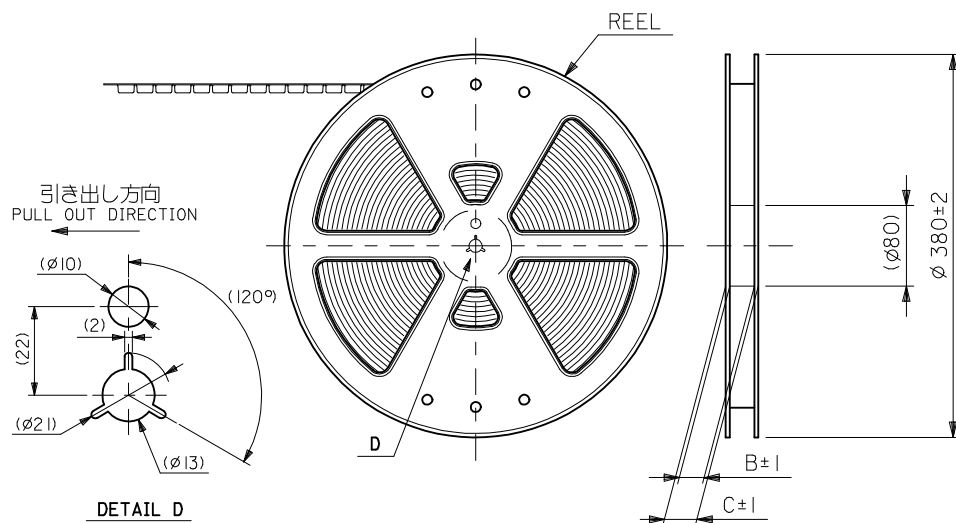
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NOTES

- 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.



DETAIL D

CONNECTOR SERIES No. 501745-***1

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		TITLE	
10 UNDER	±0.2	DRAWN BY	DATE	0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) EMBSTP PKG MOLEX INCORPORATED	
10 OVER 30 UNDER	±0.25	CHECKED BY	DATE		
30 OVER	±0.3	APPROVED BY	DATE		
ANGULAR	±3 °	MATERIAL NO.	DATE		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501745-002	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 3	

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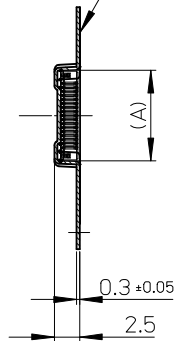
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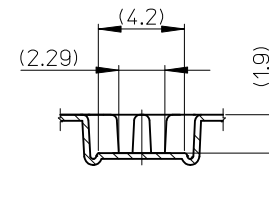
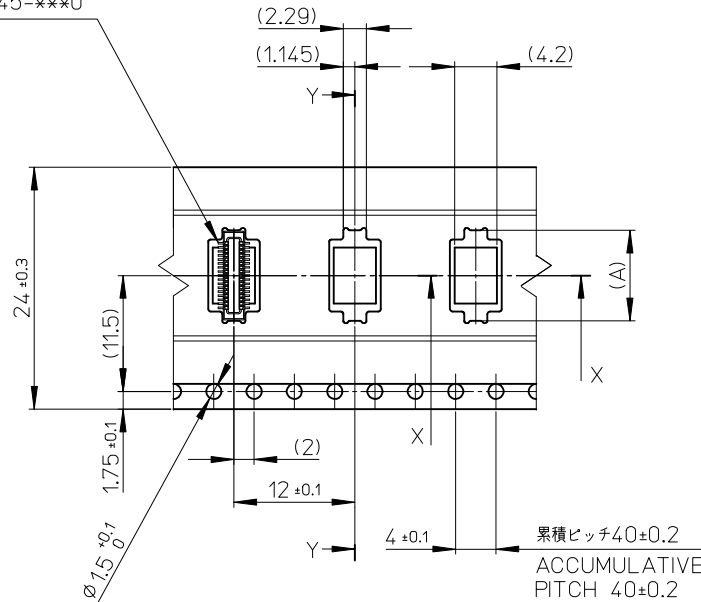
引き出し方向

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:MTAKAHASHI03/09/08/07 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		
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		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.			DOCUMENT NO.			SHEET 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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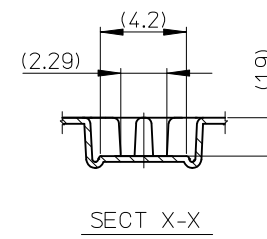
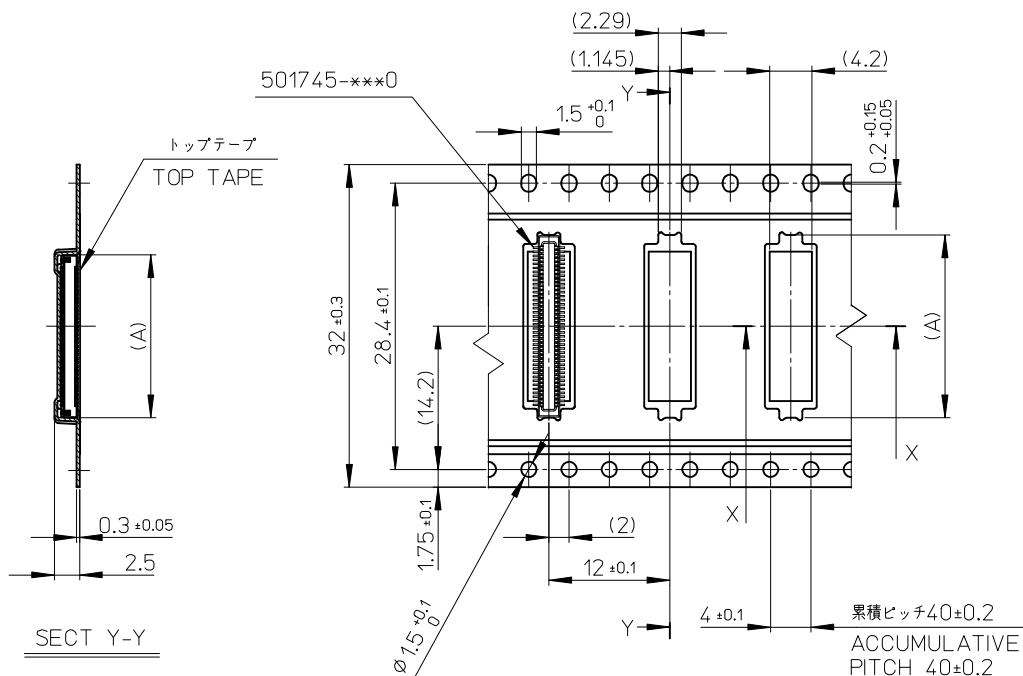
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10 9 8 7 6 5 4 3 2 1

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	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 MOLEX INCORPORATED				
		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.

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