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Part Number:

5017450501

Status:

Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board Plug, Surface Mount, Dual Row, Vertical, Lead-free, 50 Circuits

Documents:

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)

50

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

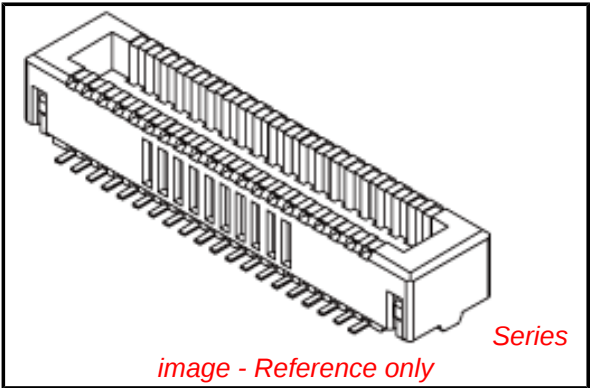
SPK-501745-001

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

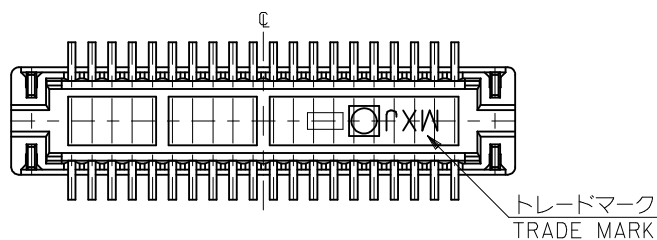
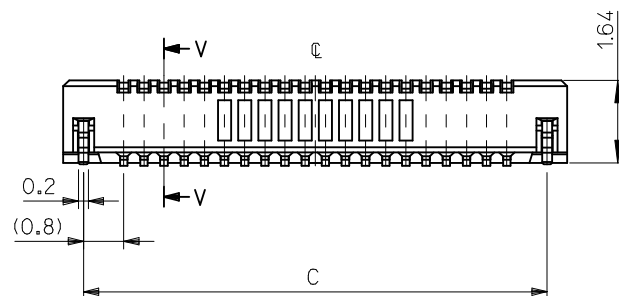
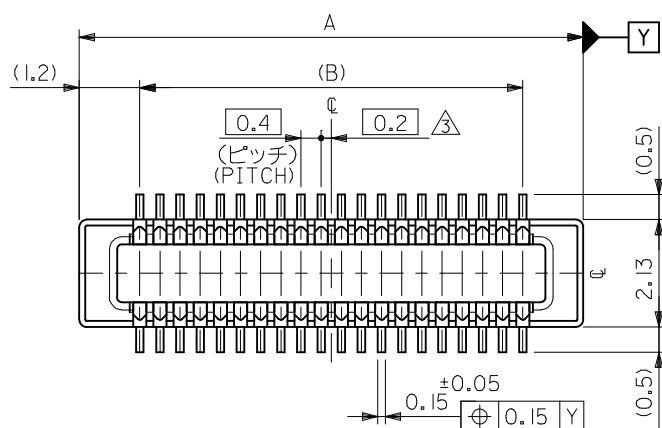
Mates With

51338 PCB Receptacle. 500913 PCB Receptacle

This document was generated on 06/07/2010

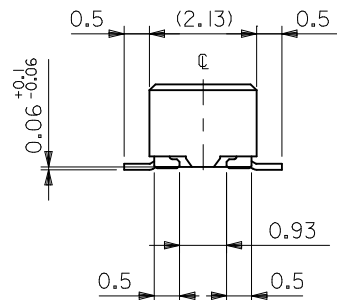
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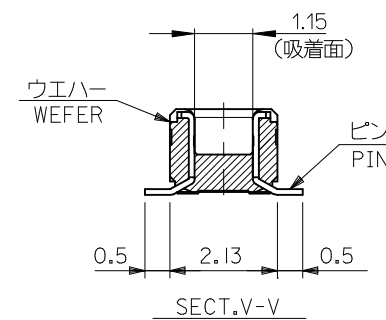


注記 NOTES:

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 03/09/08/07		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

SD-501745-001

SHEET NO. 1 OF 2

F

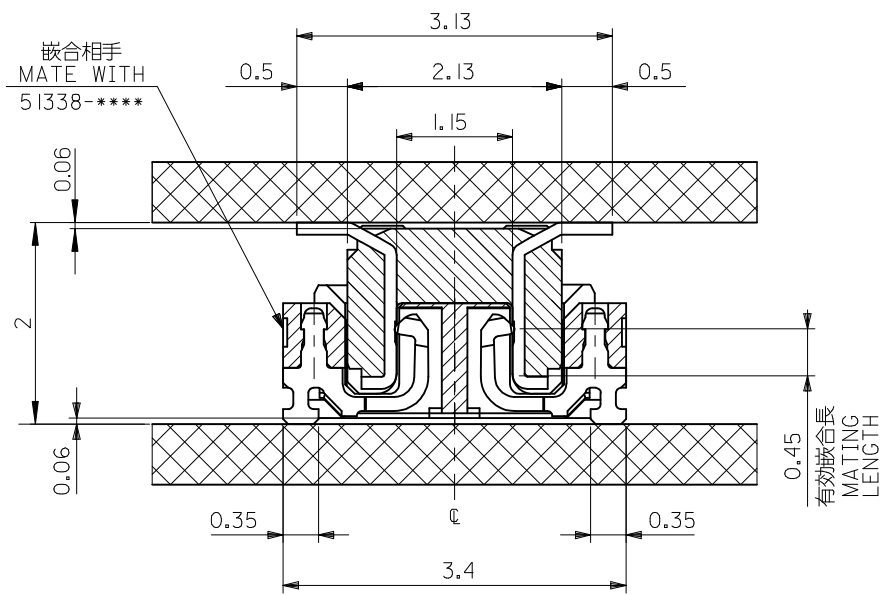
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D

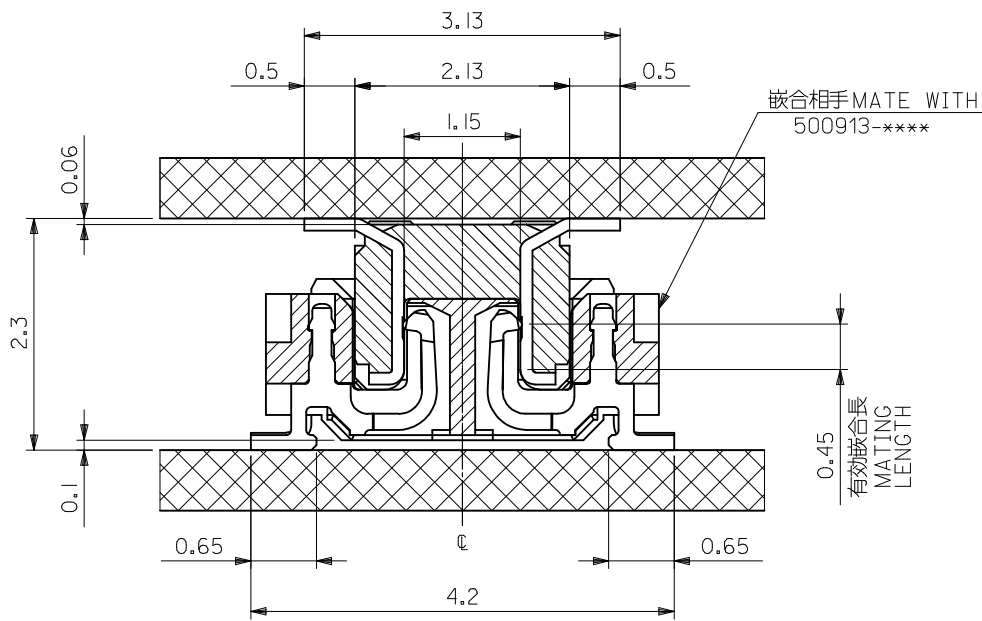
C

B

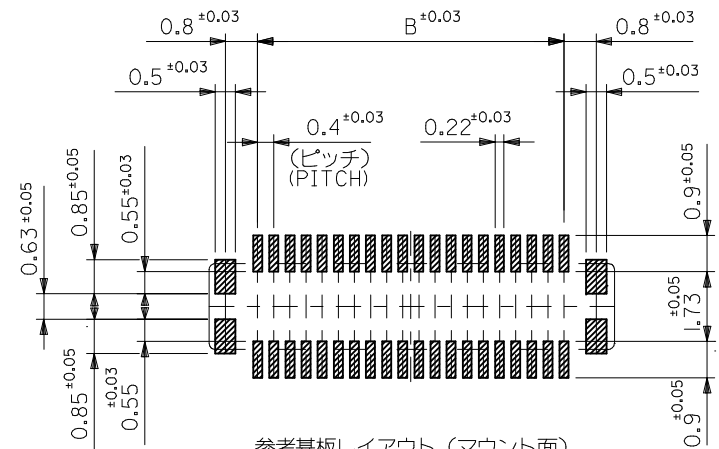
A



嵌合断面図 (参考)
MATED DRAWING (REFERENCE)



嵌合断面図 (参考)
MATED DRAWING (REFERENCE)

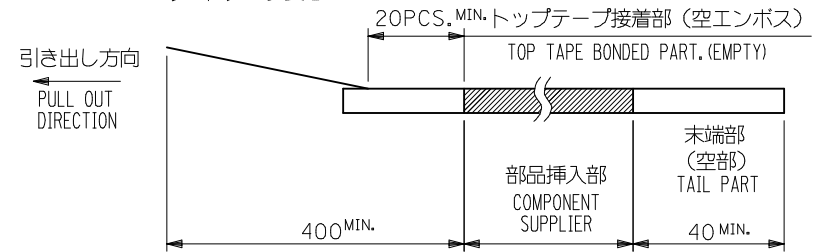


参考基板レイアウト (マウント面)
P.C. BOARD PATTERN DIMENSION.
(REFERENCE)
(MOUNTING AREA)

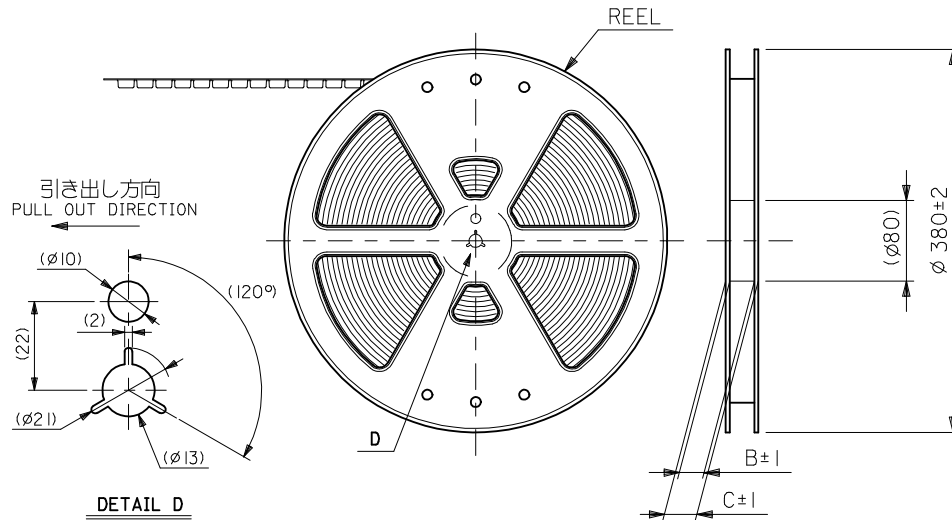
REVISED EC NO: J2010-0060 DRWN:MTAKAHASHI 03 2009/08/07 CHKD:THIRATA 2009/08/17 APPR:MSASAO 2009/08/17 REV C	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		
				MM ONLY		---		METRIC				
		10 UNDER		±0.2	DRAWN BY K. SAITO		DATE 2007/03/01		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 INCORPORATED			
		ANGULAR		±3 °	MATERIAL NO.		DOCUMENT 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									

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

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

MOLEX INCORPORATED

DOCUMENT NO. SD-501745-002 SHEET NO. 1 OF 3

SEE TABLE

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GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	
10 UNDER	±0.2	DRAWN BY K. SAITO	DATE 2007/03/01
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.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	

10

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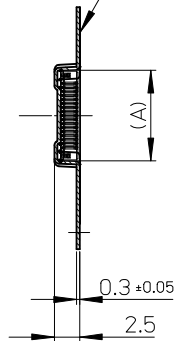
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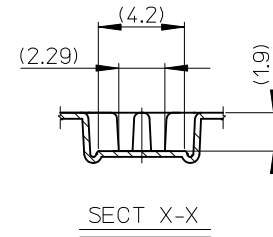
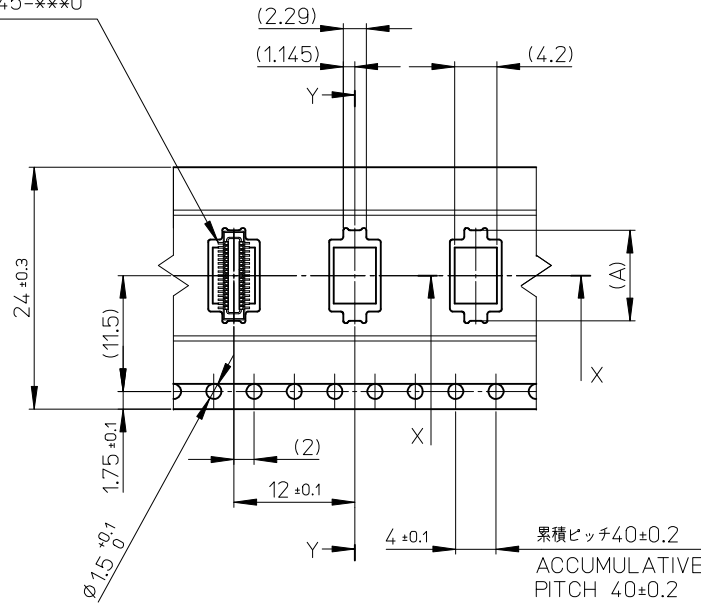
引き出し方向

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:MTAKAHASHI 03/2009/08/07 CHKD:THIRATA 2009/08/17 APPR:MSASAO 2009/08/17	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE		
				MM ONLY		---	METRIC	PROJECTION		
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE 0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) EMBSTP PKG				
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE					
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX INCORPORATED				
	ANGULAR ±3 °	MATERIAL NO.	DOCUMENT NO.	SHEET NO.						
C	REV	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				
						SD-501745-002 2 OF 3				

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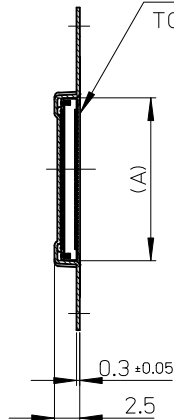
2

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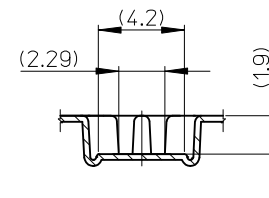
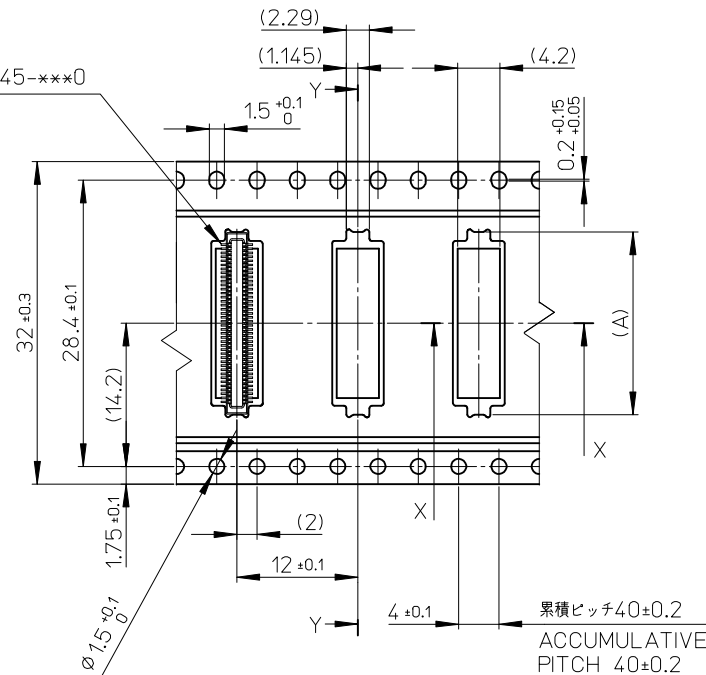
引き出し方向

PULL OUT
DIRECTION

501745-***0

トップテープ
TOP TAPE

SECT Y-Y



SECT X-X

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:MTAKAHASHI03/2009/08/07 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		
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		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-501745-002		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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Данный компонент на территории Российской Федерации

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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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