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Part Number:

5016481000

Status:

Active

Overview:

[igrid](#)

Description:

2.00mm (.079") Pitch iGrid™ Wire-to-Board Crimp Terminal, Female, 26-28 AWG, Reel

Documents:

[Drawing \(PDF\)](#)

[Product Specification PS-501646-001 \(PDF\)](#)

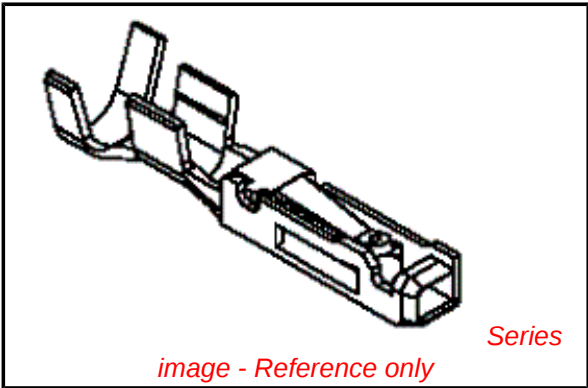
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Crimp Terminals
Series	501648
Crimp Quality Equipment	Yes
Overview	igrid
Product Name	iGrid™
Physical	
Durability (mating cycles max)	30
Gender	Receptacle
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Packaging Type	Reel
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	0.85-1.40 (.033-.055")
Wire Size AWG	26, 28
Wire Size mm²	0.079-0.136
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-501646-001, RPS-501646-001, RPS-501646-002, RPS-501646-006, RPS-501646-007
Sales Drawing	SD-501648-001



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

[501648](#)Series

Mates With

[501645](#) Vertical Header . [501676](#) Right Angle Header

Use With

[501646](#) Receptacle Housing

Application Tooling FAQ	
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.	
Global	
Description	Product #
Manual Extraction Tool	0638131500
Hand Crimp Tool for 2.00mm (.079") Pitch iGrid™ Wire-to-Board Crimp	0638192400

Terminals, 26-28
AWG
T2 Terminator 0638518100
Tooling Die
FineAdjust™ 0638618100
Applicator

Japan	
Description	Product #
Applicator for M211A Bench Press, 22-26 AWG, for 501647 and 501648 Crimp Terminal	<u>5780213000</u>
Side-Feed Applicator for Fully-Auto Machine, 22-26 AWG, for 501647 and 501648 Crimp Terminal	<u>5780213200</u>
Hand Crimp Tool - Straight Action	<u>5780215400</u>

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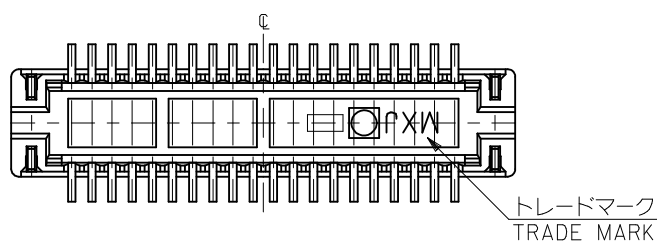
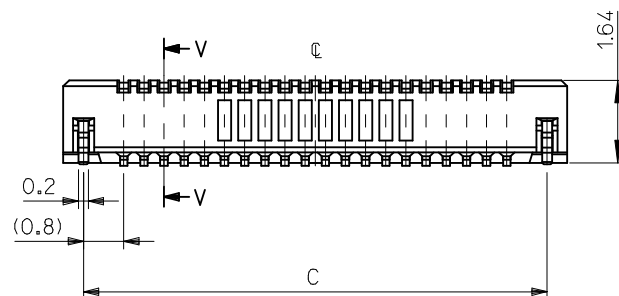
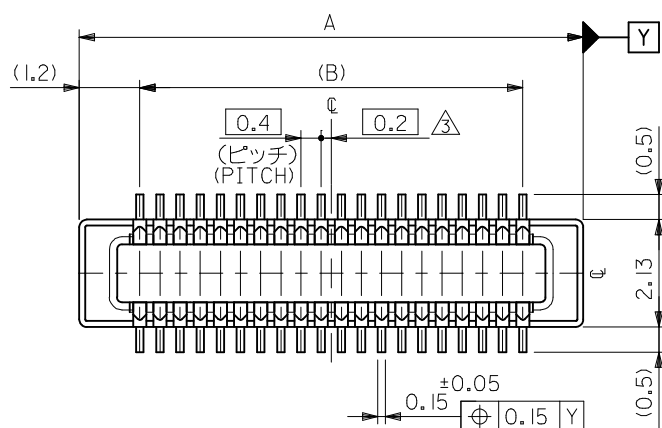
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注記 NOTES:

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)

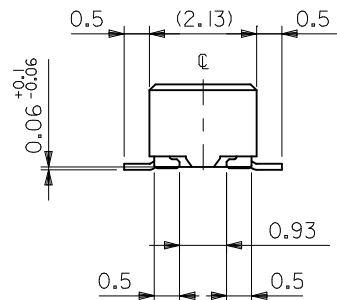
下地メッキ: ニッケルメッキ 1.5 マイクロメートル以上
 UNDER PLATING: NICKEL 1.5MICROMETER MINIMUM

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

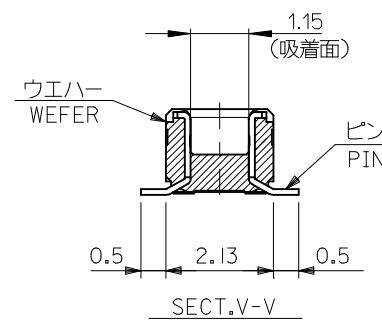


③ (全極数/2) = 偶数の場合に適用。
 APPLY FOR (CIRCUIT/2)=EVEN.

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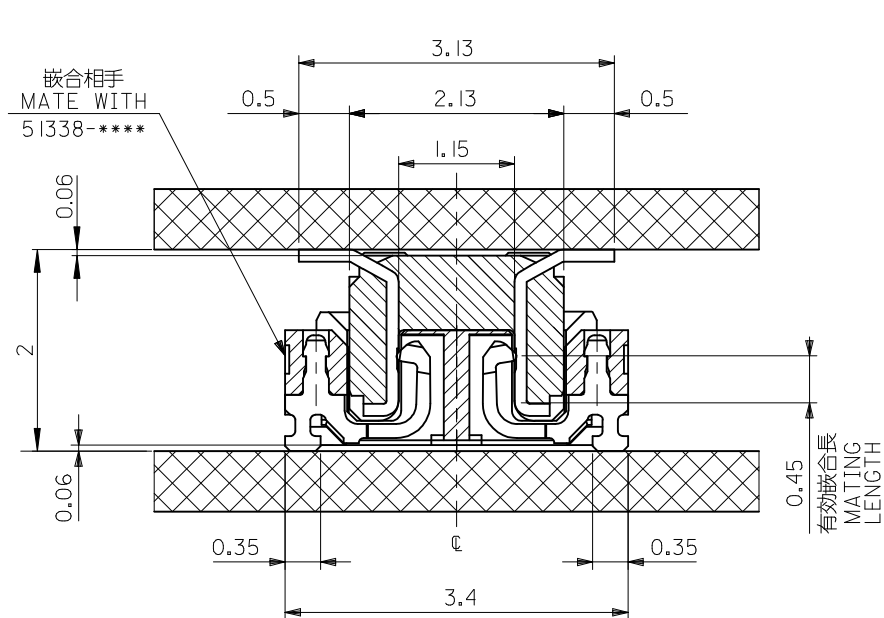
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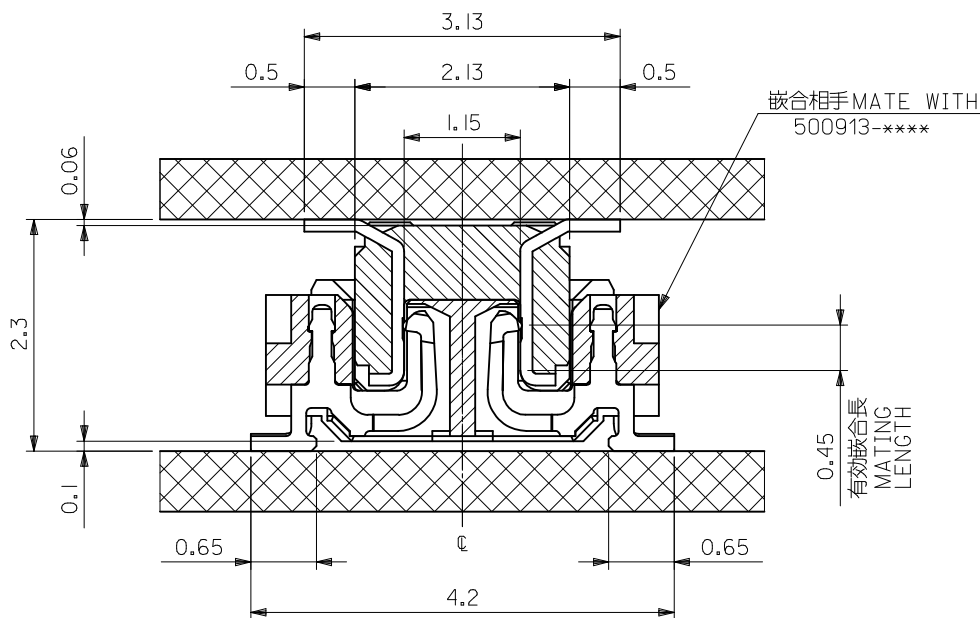
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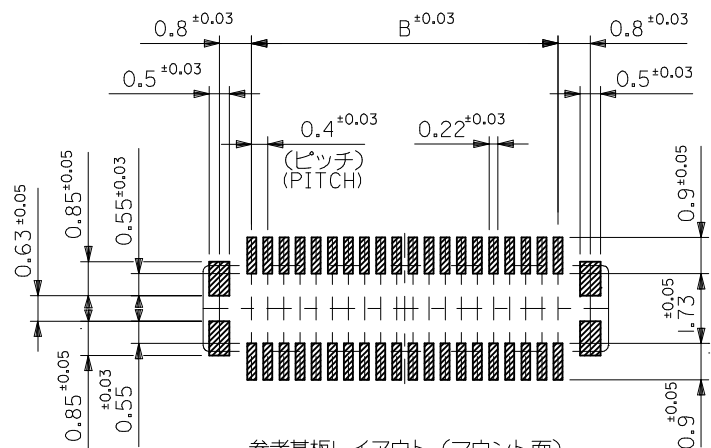
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嵌合断面図 (参考)
MATED DRAWING (REFERENCE)



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	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 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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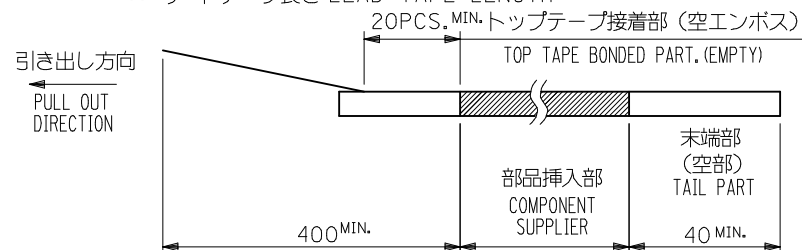
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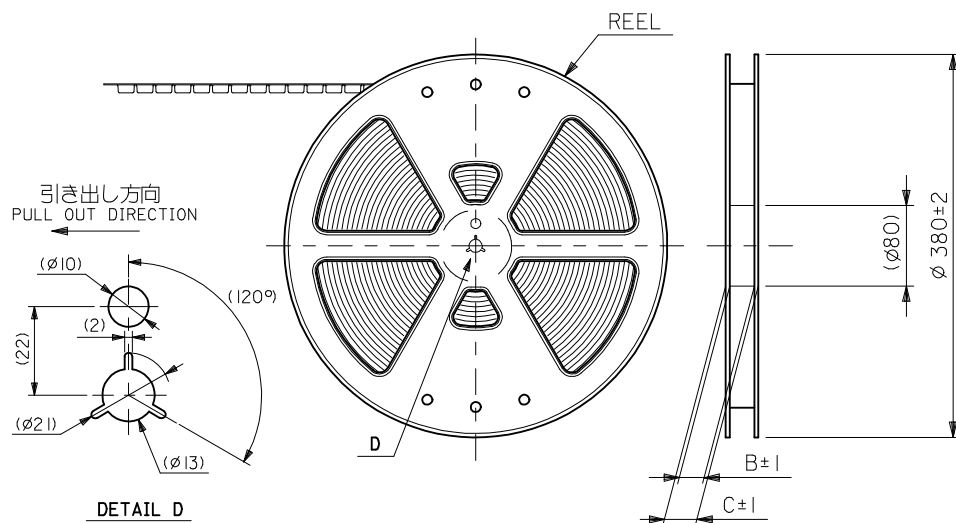
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NOTES

- 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.



DETAIL D

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	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE
								MM ONLY		---	METRIC	PROJECTION
						10 UNDER ±0.2		DRAWN BY DATE		TITLE		
						10 OVER 30 UNDER ±0.25		CHECKED BY DATE				
						30 OVER ±0.3		APPROVED BY DATE		MOLEX MOLEX INCORPORATED		
ANGULAR ±3 °		N. UKITA 2007/03/01		DOCUMENT NO.			SHEET NO.					
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501745-002		1 OF 3
C					REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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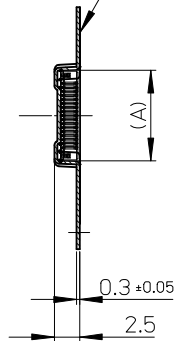
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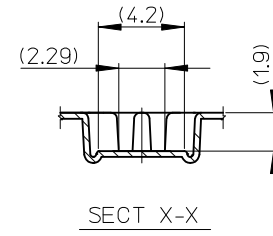
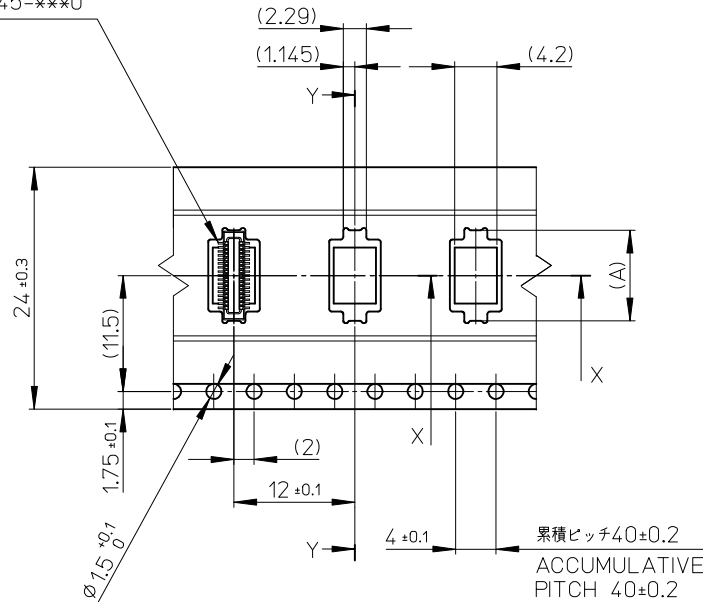
引き出し方向

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 03/09/08/07 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					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501745-002		2 OF 3		
	C	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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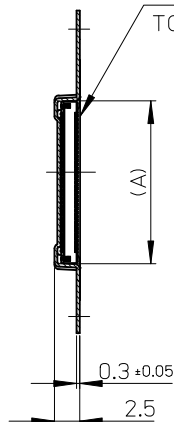
10 9 8 7 6 5 4 3 2 1

引き出し方向

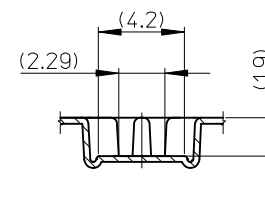
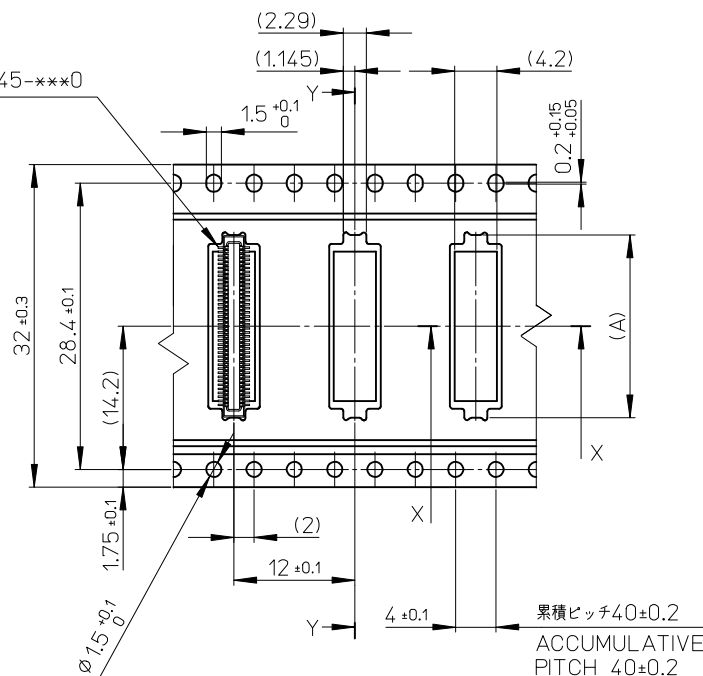
PULL OUT
DIRECTION

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:MTAKAHASHI032009/08/07 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.						
		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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- Минимальные сроки поставок
- Техническая поддержка
- Подбор комплектации
- Индивидуальный подход
- Гибкое ценообразование

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Большой выбор предлагаемой продукции, различные виды оплаты и доставки, позволят Вам сэкономить время и получить максимум выгоды от сотрудничества с нами!

Перечень производителей, продукцию которых мы поставляем на российский рынок





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С уважением,

Менеджер отдела продаж ООО

«Трейд Электроникс»

Шишлаков Евгений

8 (495)668-30-28 доб 169

manager28@tradeelectronics.ru

<http://www.tradeelectronics.ru/>