

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5024301430

Status:

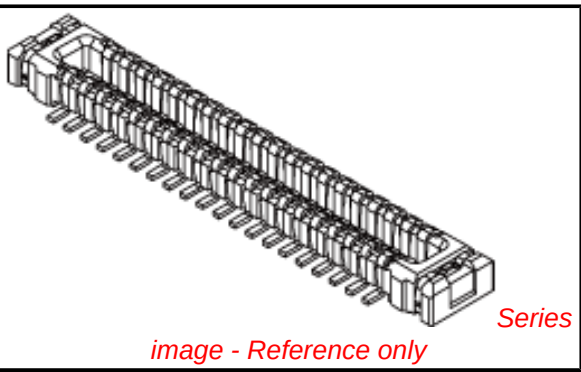
Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board, Plug, SMT, Dual Row, Vertical Stacking, 1.00mm (.039") Stacking Height, With Solder Tabs, with Vacuum Tape, 14 Circuits



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-502426-001 \(PDF\)](#)

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

General	
Product Family	PCB Headers
Series	502430
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	14
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Mated Height (in)	0.039 In
Mated Height (mm)	1.00 mm
Material - Metal	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	-20°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-502430-001
Product Specification	PS-502426-001, RPS-502426-011, RPS-502426-013, RPS-502426-014, RPS-502426-015, RPS-502426-017, RPS-502426-019
Sales Drawing	SD-502430-003, SD-502430-004

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

Not Reviewed

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.

China RoHS

Search Parts in this Series

502430Series

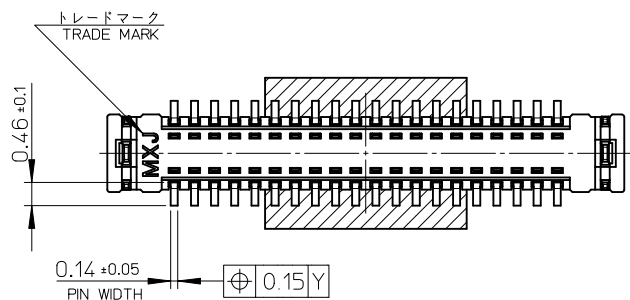
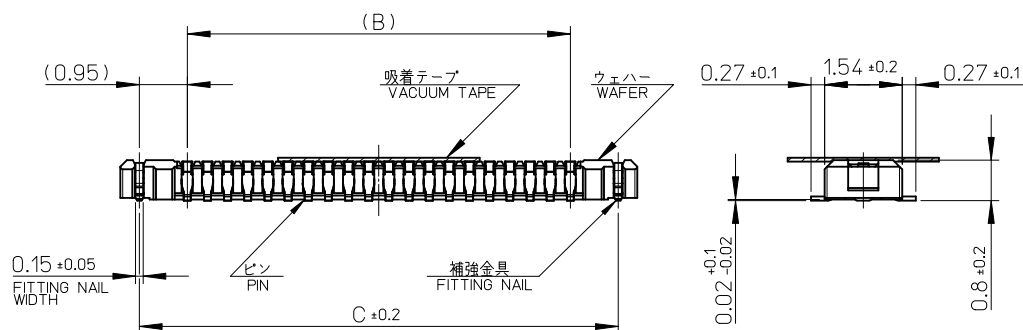
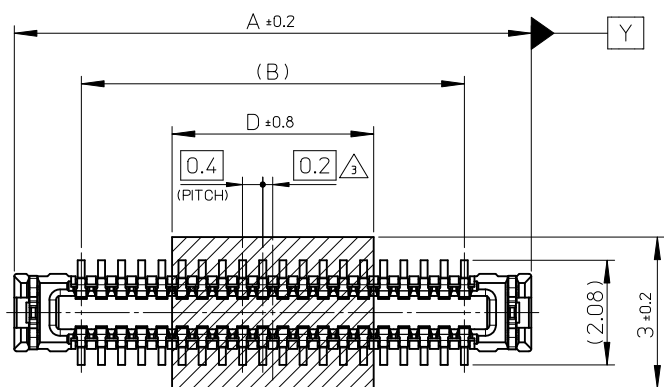
Mates With

502426 PCB Receptacle

This document was generated on 05/26/2010

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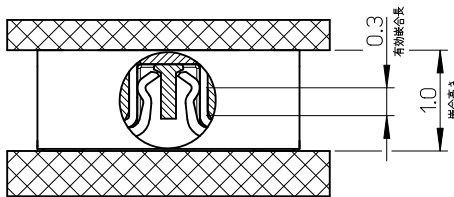
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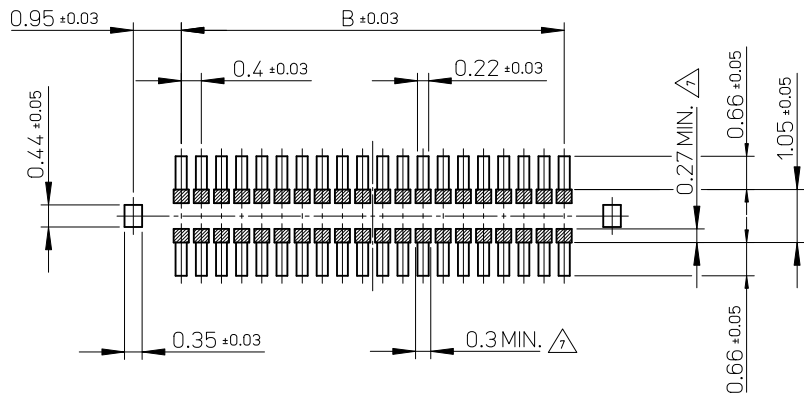
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	17.5	15.6	18.26	502430-8030	80	
	15.5	13.6	16.26	502430-7030	70	
7.0	13.5	11.6	14.26	502430-6030	60	
	11.5	9.6	12.26	502430-5030	50	
4.0	9.5	7.6	10.26	502430-4030	40	
	7.9	6.0	8.66	502430-3230	32	
3.4	6.7	4.8	7.46	502430-2630	26	
	6.3	4.4	7.06	502430-2430	24	
	5.9	4.0	6.66	502430-2230	22	
	5.5	3.6	6.26	502430-2030	20	
2.4	4.3	2.4	5.06	502430-1430	14	
D	C	B	A	EMBOSSED TAPE PACKAGE		CKT.
				ORDER No.		

CONNECTOR SERIES No. : 502430-***39

REVISED EC NO: J2010-1588 DRWN: TIAN GUCHI 01/2010/02/02 CHKD: THIRATA 2010/02/02 APPR: MSASAO 2010/02/03 REV D	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2007/12/26	TITLE 0.4 B-TO-B CONN. HGT=1.0 W=2.6 PLUG ASSY WITH TAPE					
		10 OVER 30 UNDER	± ---	CHECKED BY MSASAO	DATE 2007/12/26						
		30 OVER	± ---	APPROVED BY MSASAO	DATE 2007/12/26	MOLEX INCORPORATED					
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502430-003		1 OF 2			
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



嵌合断面図 (参考)
MATED DRAWING (REFERENCE)



P.C.BOARD PATTERN LAYOUT
(REFERENCE)

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 : りん青銅 (t=0.08)
PIN : PHOSPHOR BRONZE (t=0.08)
- 金具 : りん青銅 (t=0.15)
FITTING NAIL : PHOSPHOR BRONZE (t=0.15)
- 吸着テープ : ポリイミド
VACUUM TAPE : POLYIMIDE

2. メッキ仕様 PLATING
- ピン PIN
- 金メッキ 0.1 マイクロメートル以上
GOLD 0.2MICROMETER 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
- ※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.
- ※封孔処理品

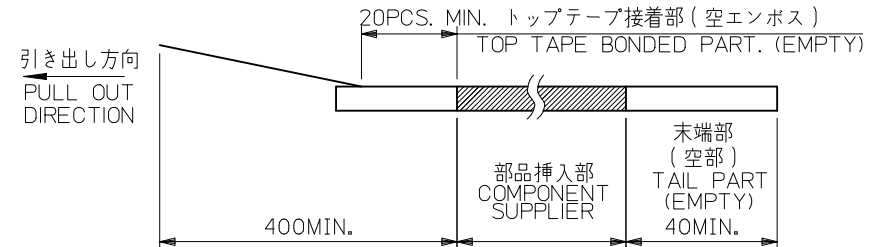
- 金具 FITTING NAIL
- フラッシュ金メッキ
FLASH Au PLATING
- 下地メッキ : ニッケルメッキ 1.0 マイクロメートル以上
UNDER PLATING : NICKEL 1.0MICROMETER MINIMUM

- △3 (全極数 / 2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN.
4. 嵌合相手 : 502426 シリーズ
MATE WITH : 502426 SERIES.
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 0.1MAXIMUM.
6. ELV 及び RoHS適合品
ELV AND RoHS COMPLIANT.
- △7 斜線部はパターン書込み禁止範囲と半田禁止範囲を示す。
ただし、斜線部に同一配線を配置する場合はレジストを施し、この部分に半田は無きこと。
NO PATTERN CIRCUIT AND NO SOLDER ALLOWED IN THE SHADED AREA.
HOWEVER, IF NEEDED TO ADD A TRACE OF THE SAME CIRCUIT, PUT THE SOLDER-RESIST, YET NO SOLDER ALLOWED IN THE AREA.

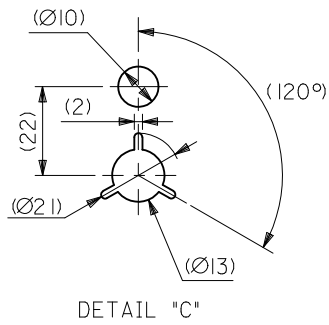
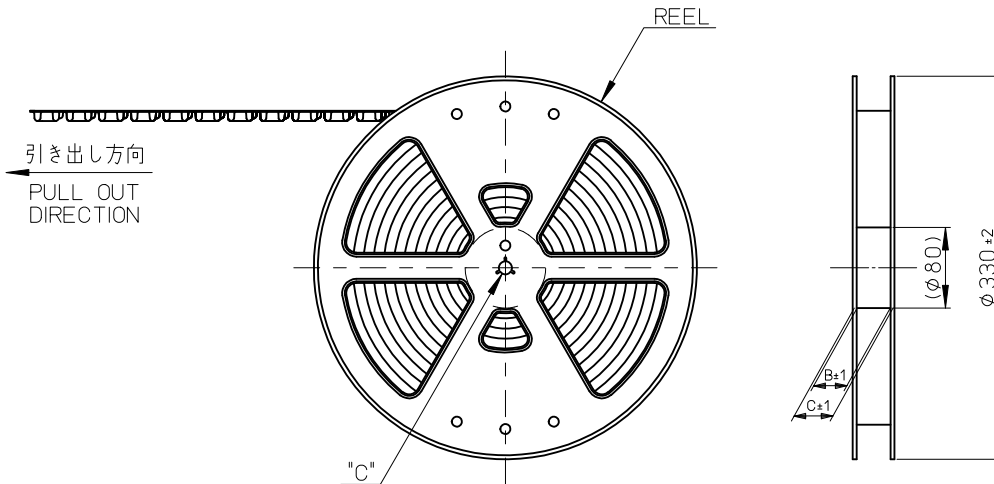
REVISED EC NO: J2010-1588 DRWN: TANI GUCHI 012010/02/02 CHKD: THIRATA 2010/02/02 APPR: MSASAO 2010/02/03 REV D	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2007/12/26	TITLE 0.4 B-TO-B CONN. HGT=1.0 W=2.6 PLUG ASSY WITH TAPE				
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		30 OVER	± ---	APPROVED BY MSASAO	DATE 2007/12/26	MOLEX INCORPORATED				
		ANGULAR	± --- °	MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		DOCUMENT NO. SD-502430-003			SHEET NO. 2 OF 2	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

注記 NOTES

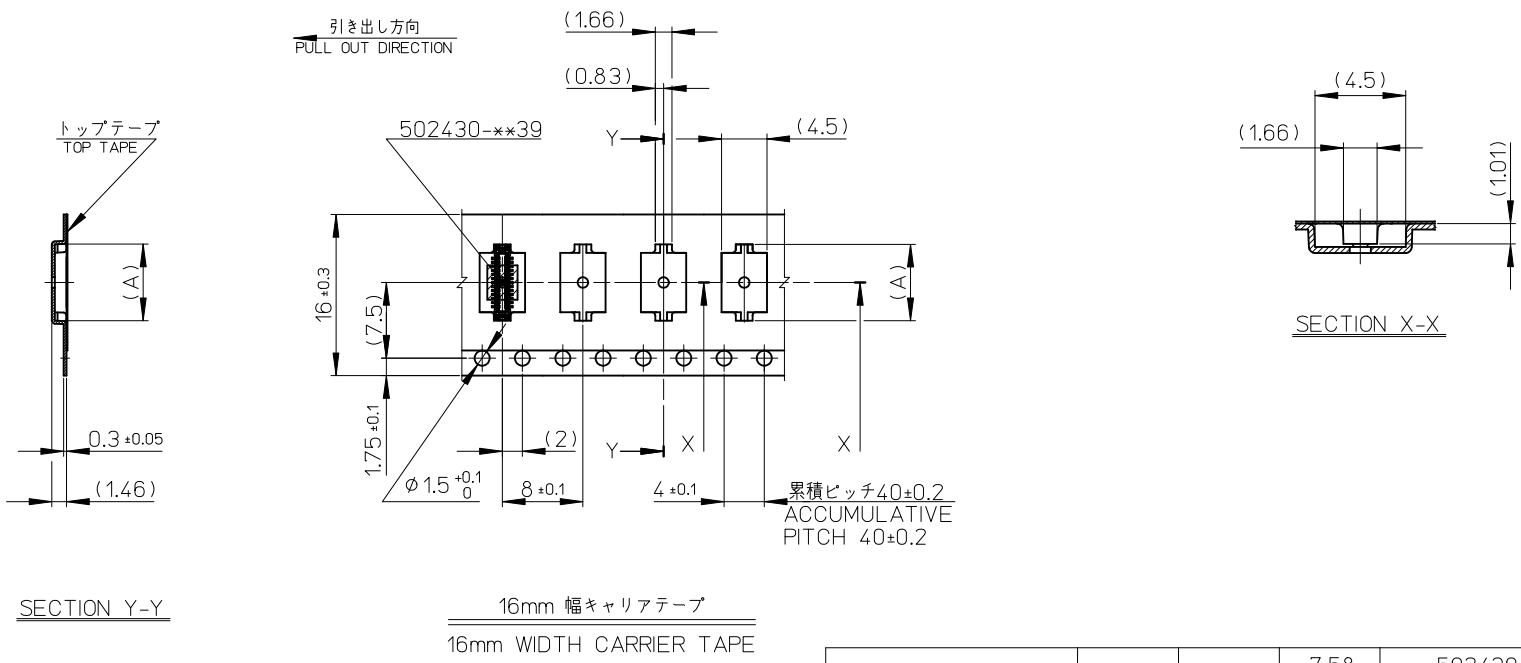
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量 : 3000 個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 材料 MATERIAL
キャリアテープ (CARRIER TAPE) : ポリスチレン (POLYSTYRENE)
トップテープ (TOP TAPE) : 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.



REVISED EC NO.: J2010-1588 DRWN: TANI GUCHI 012010/02/02 CHKD: THIRATA 2010/02/02 APPR: MSASAO 2010/02/03	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL NO. 502430-004	THIRD ANGLE PROJECTION		
		10 UNDER ± ---		DRAWN BY RTAKEUCHI 2007/12/26		TITLE 0.4 B-TO-B CONN. HGT=1.0 W=2.6 PLUG WITH TAPE EMBSTP PKG  MOLEX INCORPORATED					
		10 OVER 30 UNDER ± ---		CHECKED BY MSASAO 2007/12/26							
		30 OVER ± ---		APPROVED BY MSASAO 2007/12/26							
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502430-004		1 OF 4			
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



16	21.4	17.4	7.58	502430-2630		26
			7.18	502430-2430		24
			6.78	502430-2230		22
			6.38	502430-2030		20
			5.18	502430-1430		14
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.		CKT.
				MODEL No.	502430-**30	

REVISED EC NO.: J2010-1588 DRWN: TIAN GUCHI 01 2010/02/02 CHKD: THIRATA 2010/02/02 APPR: MSASAO 2010/02/03	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		ANGULAR	± --- °	MATERIAL NO.		DOCUMENT NO. SD-502430-004				SHEET NO. 2 OF 4
		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					

F

F

E

E

D

D

C

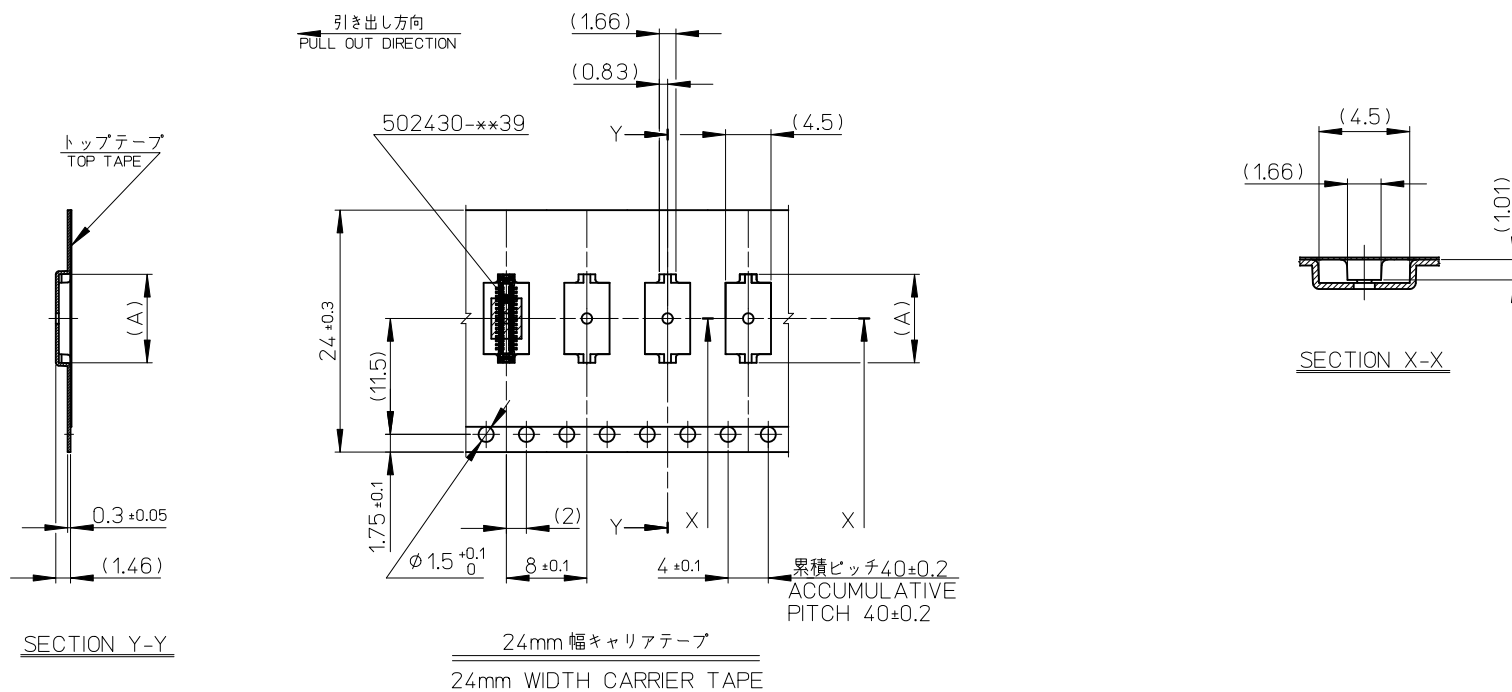
C

B

B

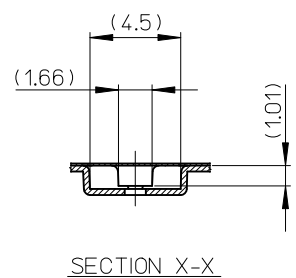
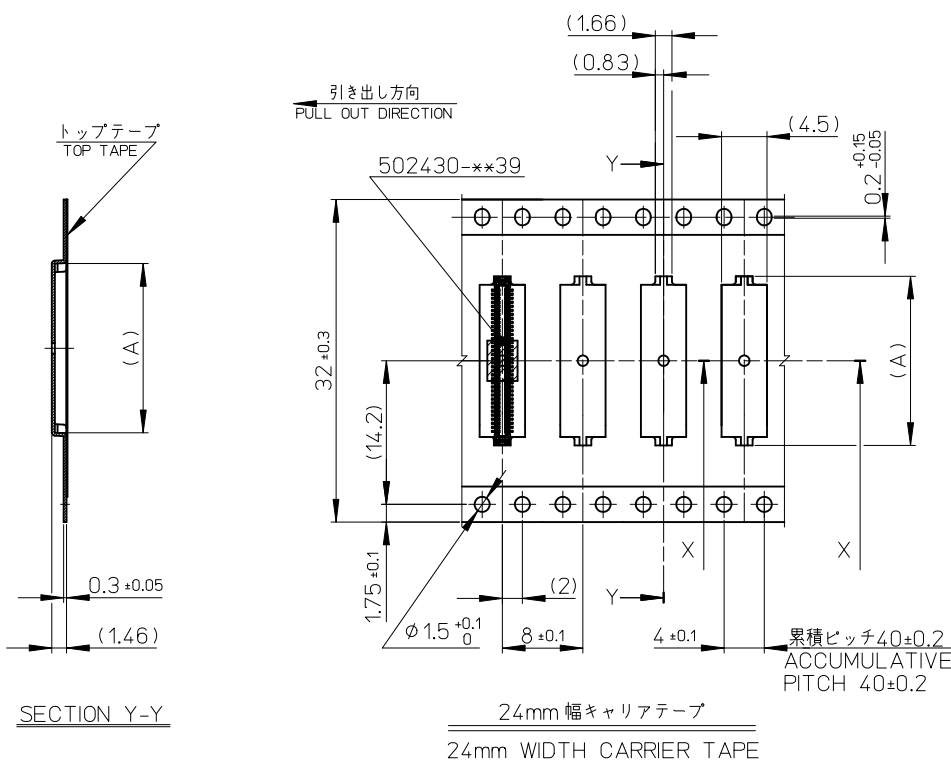
A

A



24	29.4	25.4	14.38	502430-6030		60
			12.38	502430-5030		50
			10.38	502430-4030		40
			8.78	502430-3230		32
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.		CKT.
				MODEL No.	502430-**30	

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	DRWN: TANIGUCHI012010/02/02		10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2007/12/26	TITLE 0.4 B-TO-B CONN. HGT=1.0 W=2.6 PLUG WITH TAPE EMBSTP PKG		MOLEX INCORPORATED		
	CHKD: THIRATA		10 OVER 30 UNDER	± ---	CHECKED BY MSASAO	DATE 2007/12/26					
	APPR: MSASAO		30 OVER	± ---	APPROVED BY MSASAO	DATE 2007/12/26					
			ANGULAR	± --- °	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502430-004		3 OF 4
D	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



32	37.4	33.4	20.38	502430-9030		90
			18.38	502430-8030		80
			16.38	502430-7030		70
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.		CKT.
				MODEL No.	502430-**30	

REVISED EC NO: J2010-1588 DRWN: TIANI GUCHI 01 2010/02/02 CHKD: MSASAO 2010/02/02 APPR: MSASAO 2010/02/03	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		ANGULAR	± --- °	MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502430-004			4 OF 4	
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					