

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5024308030

Status:

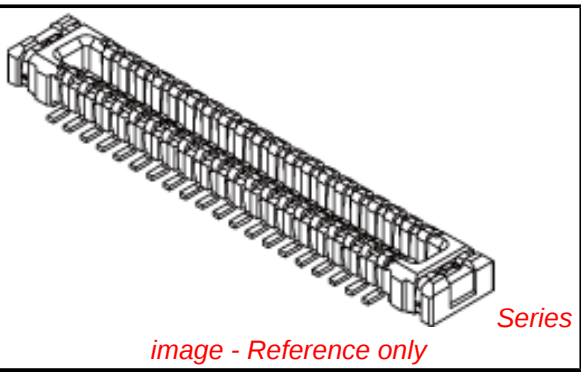
Active

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, 80 Circuits



Documents:

3D Model

Drawing (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)	80
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	
Product Specification	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

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

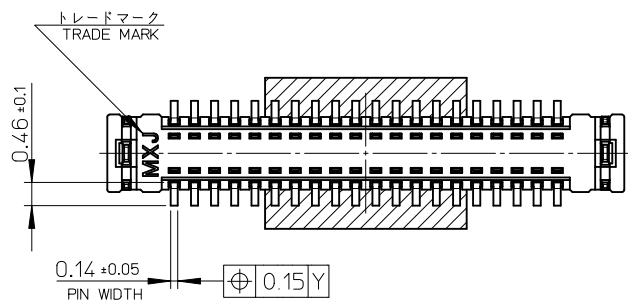
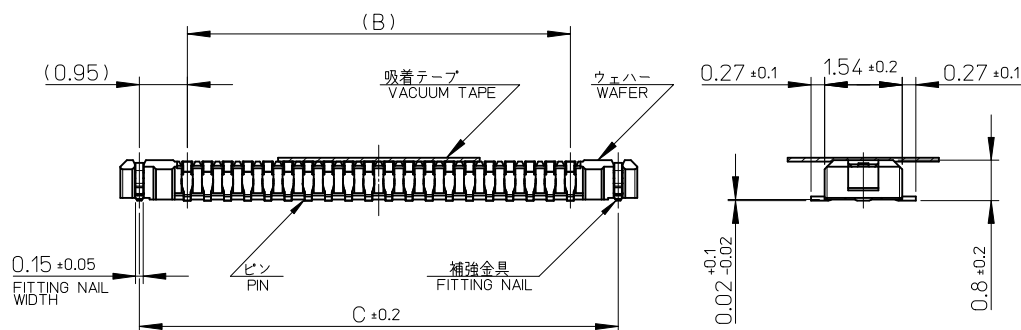
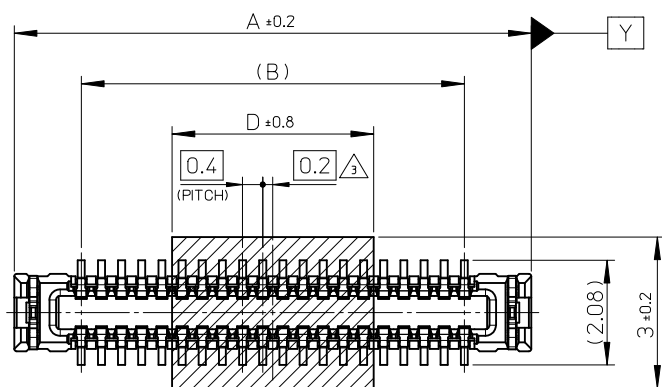
502430Series

Mates With

502426 PCB Receptacle

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10 9 8 7 6 5 4 3 2 1



10.0	19.5	17.6	20.26	502430-9030	90	
	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.		

REVISED EC NO: J2010-1588 DRWN: TANI 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 MOLEX INCORPORATED			
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502430-003		1 OF 2	
	REV	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

F

E

D

C

B

A

F

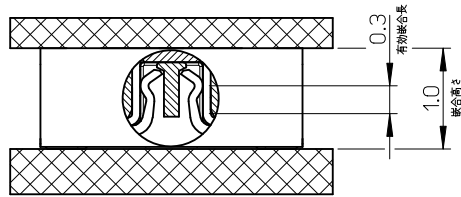
E

D

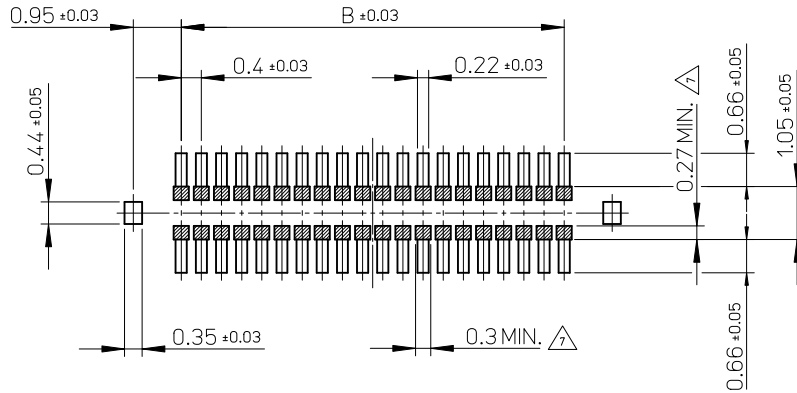
C

B

A



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 0.2 MICROMETER 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 1.0 MICROMETER 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 1.0 MICROMETER MINIMUM

△ (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 0.08 MAXIMUM.
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM.

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

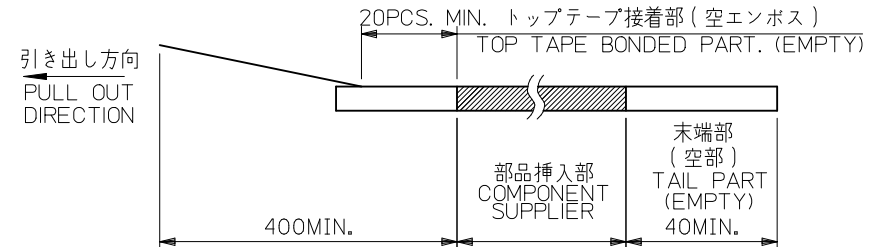
△ 斜線部はパターン書込み禁止範囲と半田禁止範囲を示す。

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.

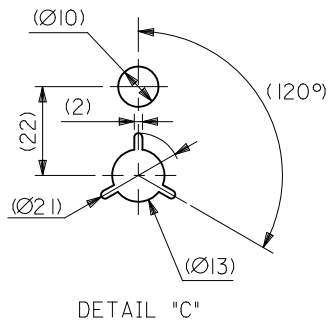
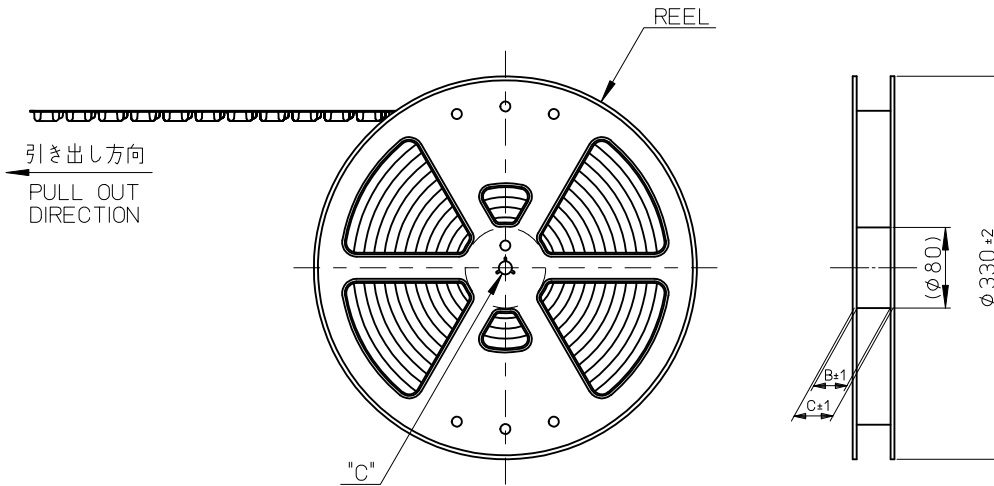
REVISED EC NO.: J2010-1588 DRAWN: TANI GUCHI 01/2010/02/02 CHKD: THIRATA 2010/02/02 APPR: MSASAO 2010/02/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
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		ANGULAR ± --- °		MATERIAL NO.					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-502430-003		2 OF 2		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

注記 NOTES

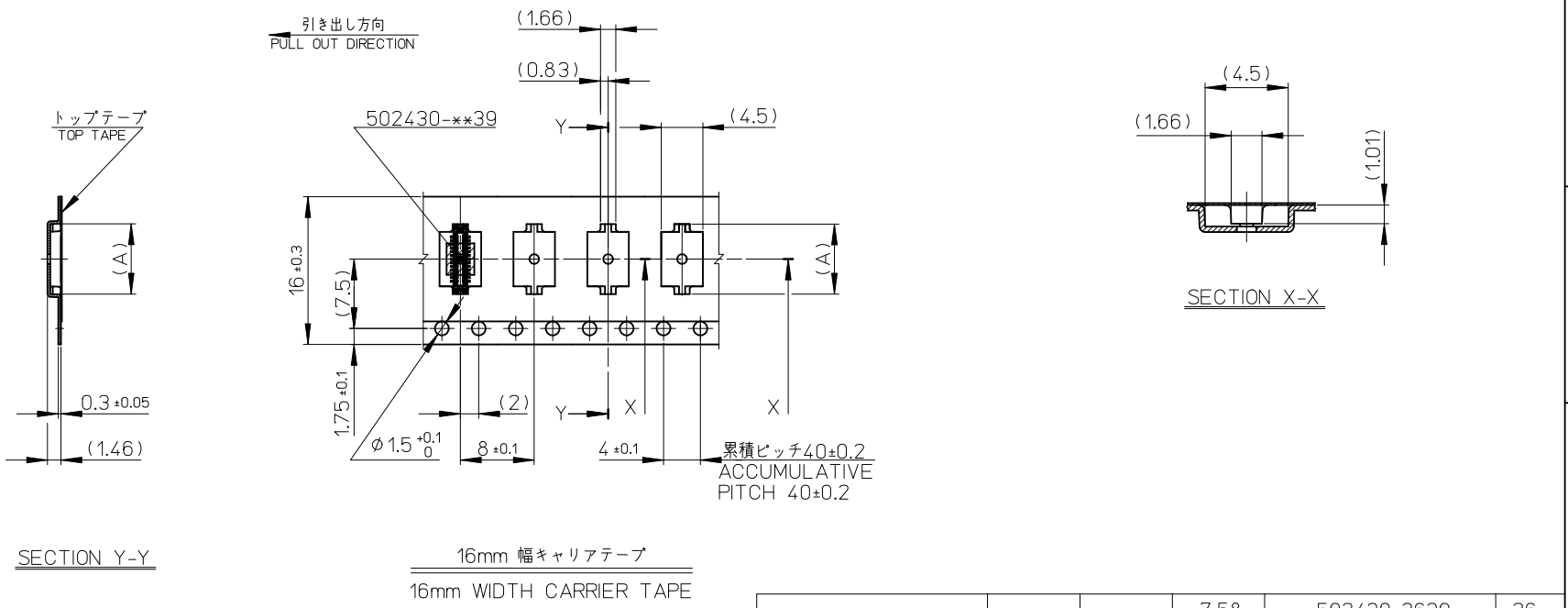
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量 : 3000 個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 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: TIAN 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-***30	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 WITH TAPE EMBSTP PKG MOLEX INCORPORATED	
		10 OVER 30 UNDER ± ---		CHECKED BY MSASAO		DATE 2007/12/26			
		30 OVER ± ---		APPROVED BY MSASAO		DATE 2007/12/26			
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502430-004			
				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: TANI GUCHI 01 2010/02/02

CHKD: THIRATA 2010/02/02

APPR: MSASAO 2010/02/03

REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER ± ---

10 OVER 30 UNDER ± ---

30 OVER ± ---

ANGULAR ± --- °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY RTAKEUCHI

DATE 2007/12/26

CHECKED BY MSASAO

DATE 2007/12/26

APPROVED BY MSASAO

DATE 2007/12/26

MATERIAL NO.

SEE TABLE

SIZE A3

DIMENSION STYLE
MM ONLY

SCALE ---

DESIGN UNITS
METRIC

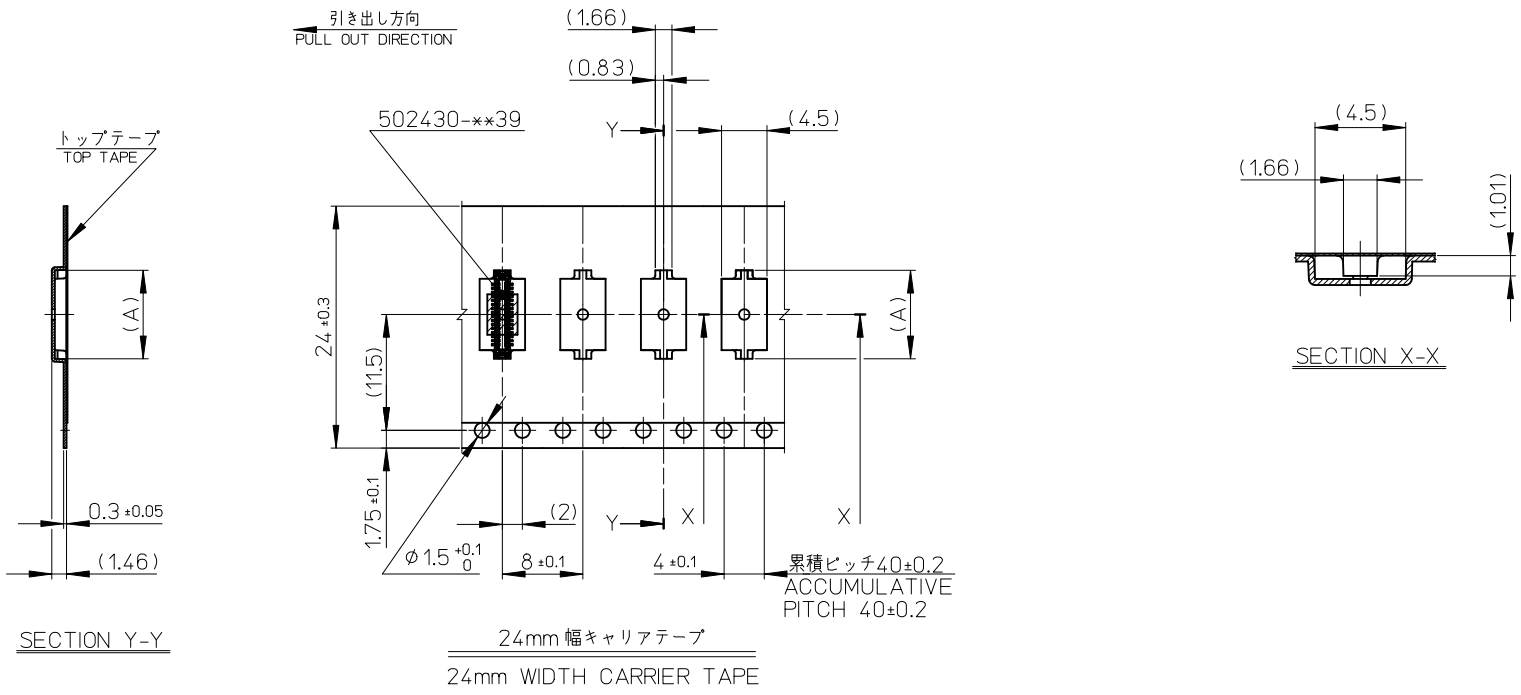
THIRD ANGLE
PROJECTION

TITLE
0.4 B-TO-B CONN. HGT=1.0
W=2.6 PLUG WITH TAPE
EMBSTP PKG

MOLEX INCORPORATED

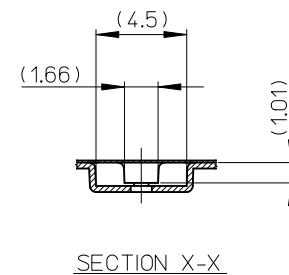
DOCUMENT NO.
SD-502430-004

SHEET NO.
2 OF 4



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.
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		ANGULAR ± --- °		MATERIAL NO.					
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				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



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D	REV	ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET 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								