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Part Number: [5024264410](#)
Status: **Active**
Overview: [slimstack_mm016_pitch](#)
Description: 0.40mm (.016") Pitch SlimStack™ Board-to-Board Receptacle, SMT, Dual Row, Vertical, 1.00mm (.039") Stacking Height, With Solder Tabs, 44 Circuits

Documents:
[3D Model](#) [Product Specification PS-502426-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	502426
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™

Physical

Circuits (Loaded)	44
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
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	-25°C to +85°C
Termination Interface: Style	Surface Mount

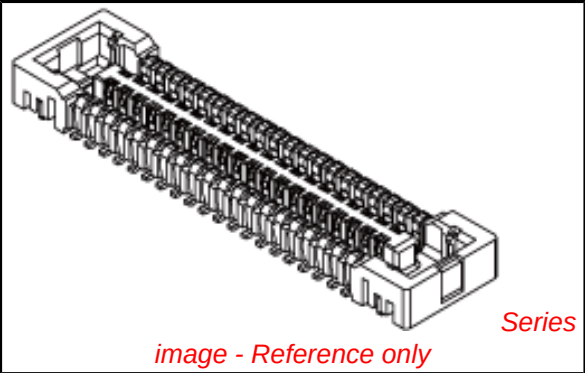
Electrical

Current - Maximum per Contact	0.3A
Voltage - Maximum	50V AC/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-502426-001, RPS-502426-001, RPS-502426-009, RPS-502426-019, RPS-502426-020, RPS-502426-024
Sales Drawing	SD-502426-001, SD-502426-002



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



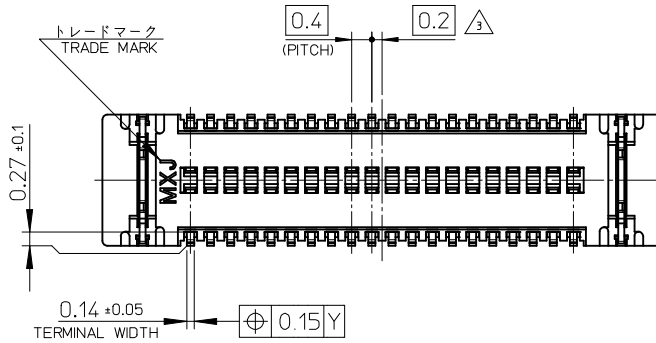
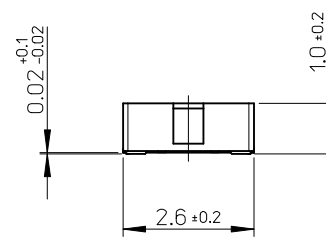
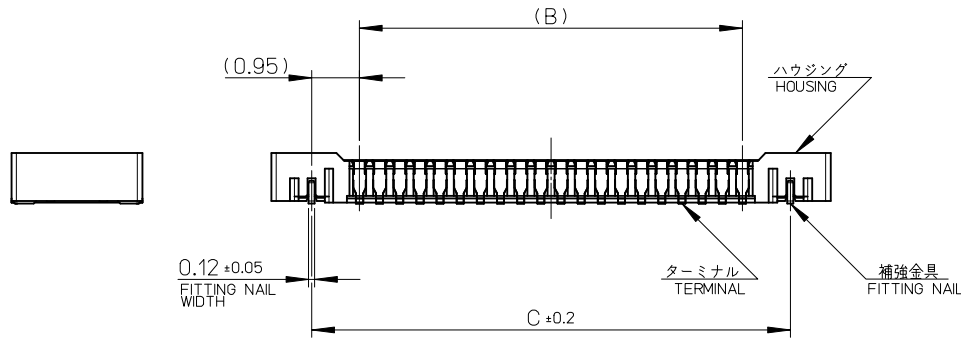
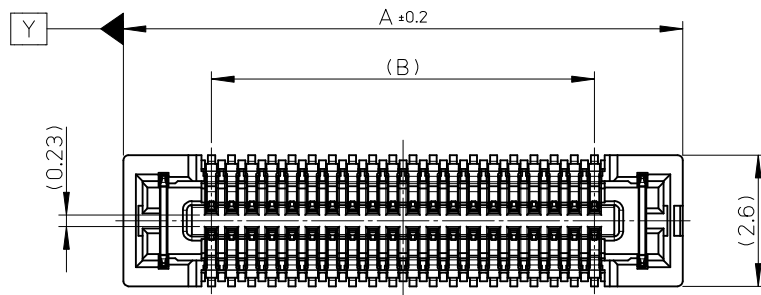
Need more information on product environmental compliance?

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
[502426Series](#)

Mates With
[502430](#) PCB Header



17.5	15.6	19.1	502426-8010	80
14.3	12.4	15.9	502426-6410	64
13.5	11.6	15.1	502426-6010	60
11.5	9.6	13.1	502426-5010	50
10.3	8.4	11.9	502426-4410	44
9.5	7.6	11.1	502426-4010	40
8.3	6.4	9.9	502426-3410	34
7.9	6.0	9.5	502426-3210	32
7.5	5.6	9.1	502426-3010	30
6.7	4.8	8.3	502426-2610	26
6.3	4.4	7.9	502426-2410	24
5.9	4.0	7.5	502426-2210	22
5.5	3.6	7.1	502426-2010	20
4.3	2.4	5.9	502426-1410	14
C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	極数 CIRCUITS

REVISED
EC NO: J2010-0990
DRWN: TSUZUKI 01 2009/11/09
CHKD: THIRATA 2009/11/09
APPR: MSASAO 2009/11/10

DESCRIPTION
REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

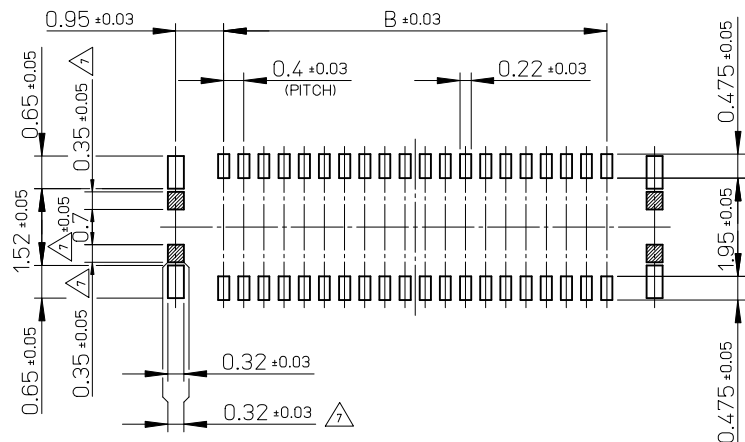
10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY RTAKEUCHI
DATE 2007/10/03
CHECKED BY MSASAO
DATE 2007/10/03
APPROVED BY MSASAO
DATE 2007/10/03
MATERIAL NO.
SEE TABLE
SIZE A3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE 10:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
TITLE 0.4 B-TO-B CONN. HGT=1.0
W=2.6 REC ASSY
DOCUMENT NO. SD-502426-001
SHEET NO. 1 OF 2

CONNECTOR SERIES No. 502426-**19
MOLEX INCORPORATED



P.C.BOARD PATTERN LAYOUT
(REFERENCE)

注記 NOTES

1. 使用材料 MATERIAL

ハウジング：液晶ポリマー（ LCP ） ガラス充填 UL94V-0（ 黒 ）
HOUSING: LIQUID CRYSTAL POLYMER (GLASS FILLED) UL94V-0 (COLOR: BLACK)
ターミナル：りん青銅 (t=0.1)
TERMINAL : PHOSPHOR BRONZE (t=0.1)
金具：りん青銅 (t=0.12)
FITTING NAIL : PHOSPHOR BRONZE (t=0.12)

2. メッキ仕様 PLATING

ターミナル TERMINAL

金メッキ 0.1 マイクロメートル以上
GOLD 0.1MICROMETER 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： 502430 シリーズ
MATE WITH : 502430 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.

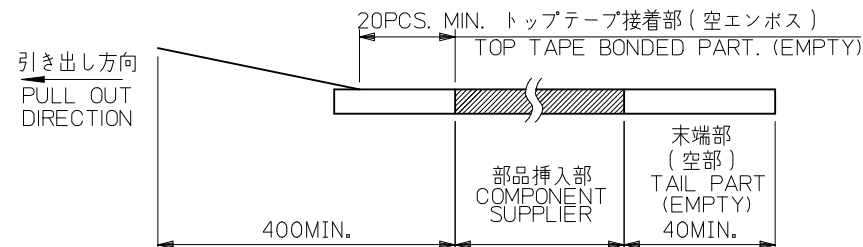
△7 斜線部はパターン書込み禁止範囲と半田禁止範囲を示す。

ただし、斜線部に補強金具と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.

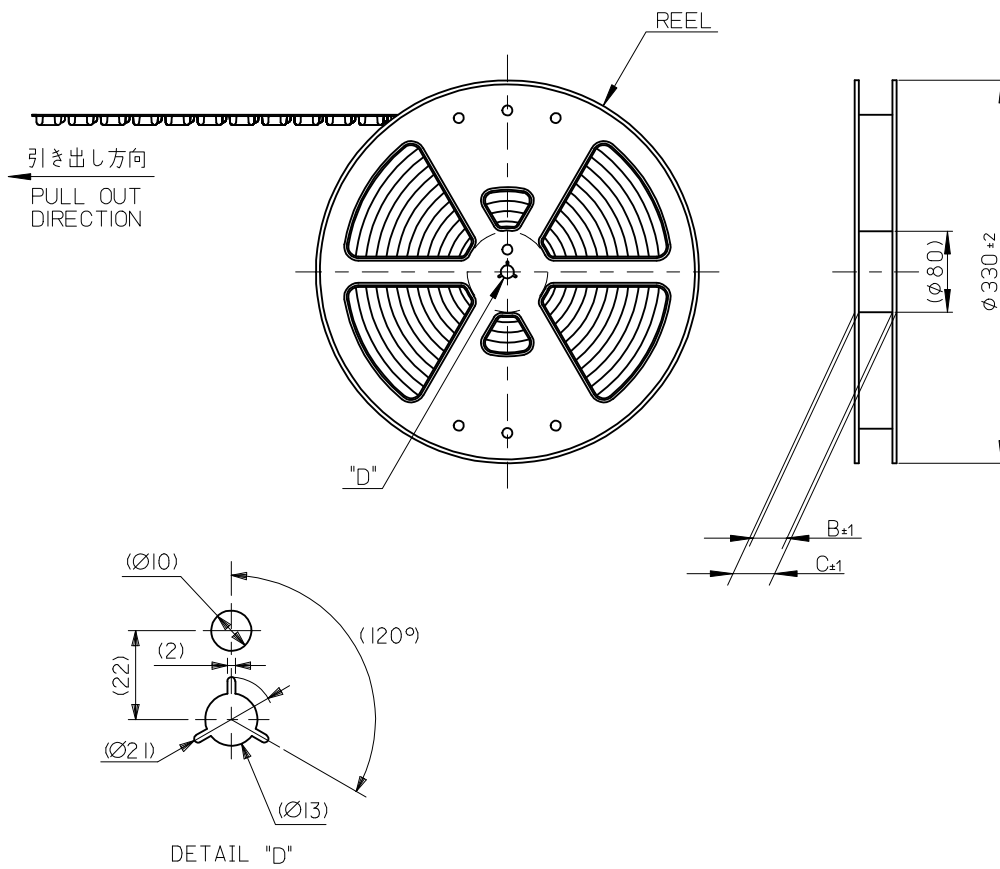
REVISED EC NO: J2010-0990 DRWN: TSUZUKI 01 CHKD: THIRATA APPR: MSASAO REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2007/10/03	TITLE 0.4 B-TO-B CONN. HGT=1.0 W=2.6 REC ASSY				
		10 OVER 30 UNDER	± ---	CHECKED BY MSASAO	DATE 2007/10/03					
		30 OVER	± ---	APPROVED BY MSASAO	DATE 2007/10/03	MOLEX INCORPORATED				
		ANGULAR ± --- °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 1	DOCUMENT NO. SD-502426-001	SHEET NO. 2 OF 2			
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

注記 NOTES

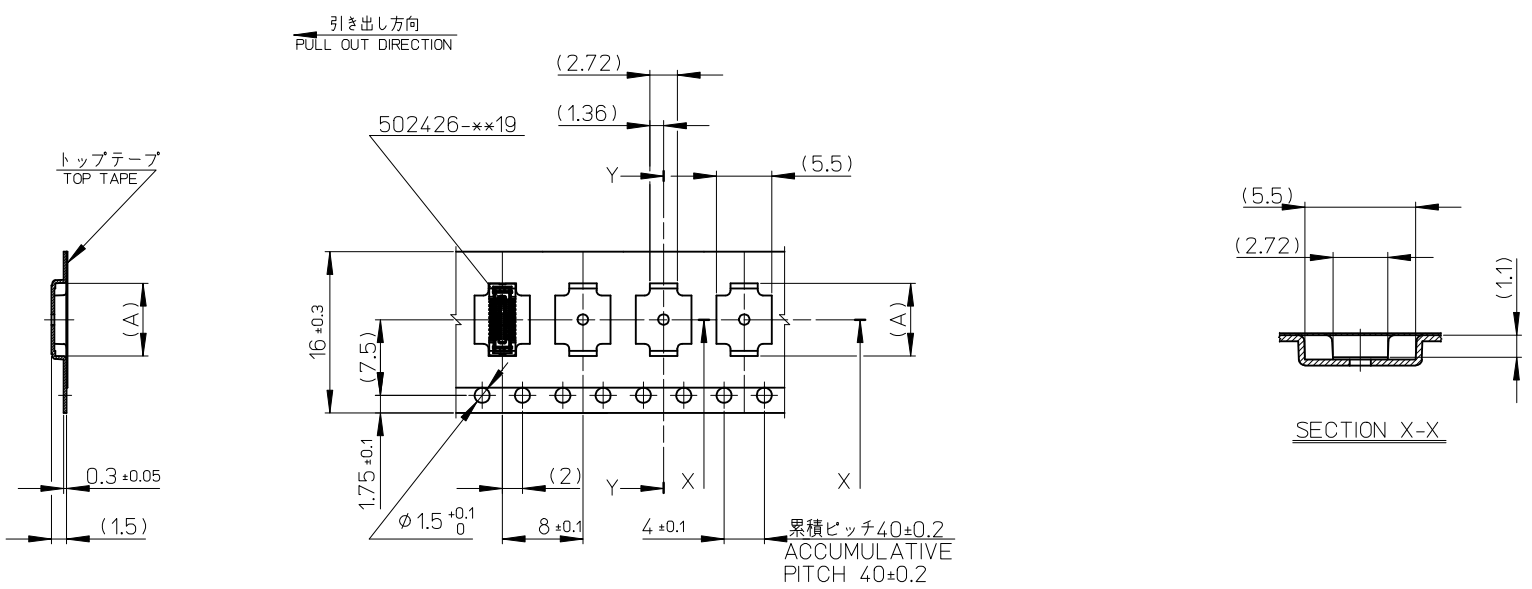
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量 : 3000 個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 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 , OTHER
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: J2010-0990 DRWN: TSUZUKI 01 2009/11/09 CHKD: THIRATA 2009/11/09 APPR: MSASAO 2009/11/10	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	TEL NO. 502426-002 THIRD ANGLE PROJECTION
		10 UNDER	±---	DRAWN BY RTAKEUCHI	DATE 2007/10/03	TITLE 0.4 B-TO-B CONN. HGT=1.0 REC ASSY EMBSTP PKG		
		10 OVER 30 UNDER	±---	CHECKED BY MSASAO	DATE 2007/10/03			
		30 OVER	±---	APPROVED BY MSASAO	DATE 2007/10/03	MOLEX MOLEX INCORPORATED		
		ANGULAR	±--- °	MATERIAL NO. SEE TABLE				
	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			



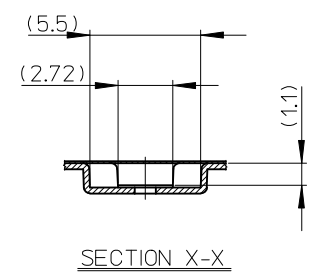
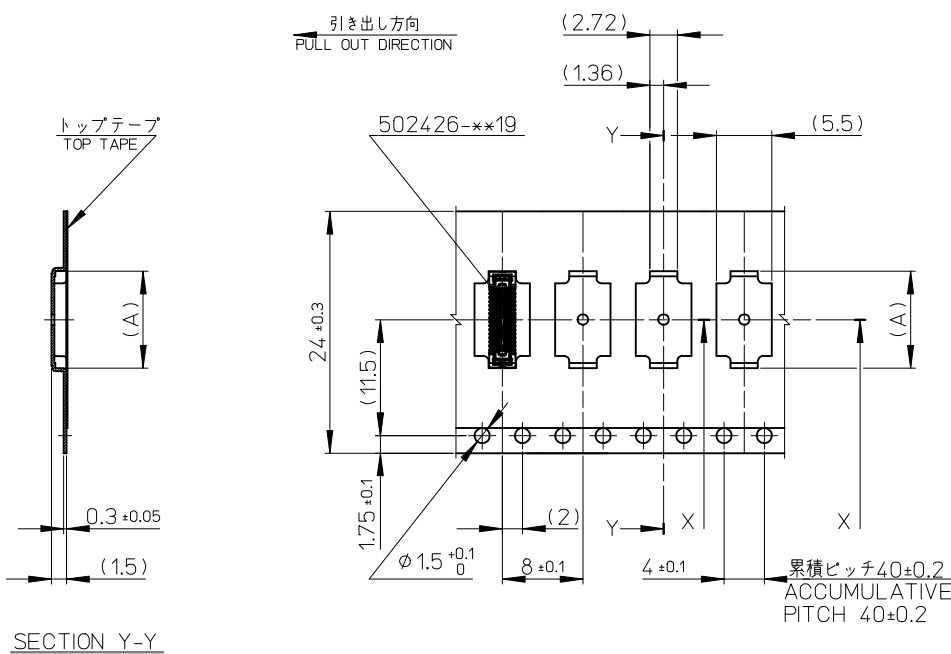
SECTION Y-Y

SECTION X-X

16mm 幅キャリアテープ
16mm WIDTH CARRIER TAPE

16	21.4	17.4	8.42	502426-2610		26
			8.02	502426-2410		24
			7.62	502426-2210		22
			7.22	502426-2010		20
			6.02	502426-1410		14
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.		CKT.
				MODEL No.	502426-**10	

REVISED EC NO: J2010-0990 DRWN: TSUZUKI 01 CHKD: THIRATA APPR: MSASAO 2009/11/09 2009/11/09 2009/11/10	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		10 UNDER ± ---		DRAWN BY RTAKEUCHI		DATE 2007/10/03		TITLE 0.4 B-TO-B CONN. HGT=1.0 REC ASSY EMBSTP PKG			
		10 OVER 30 UNDER ± ---		CHECKED BY MSASAO		DATE 2007/10/03					
		30 OVER ± ---		APPROVED BY MSASAO		DATE 2007/10/03		MOLEX INCORPORATED			
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502426-002				2 OF 4	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



24mm 幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	29.4	25.4	16.02	502426-6410		64
			15.22	502426-6010		60
			13.22	502426-5010		50
			12.02	502426-4410		44
			11.22	502426-4010		40
			10.02	502426-3410		34
			9.62	502426-3210		32
			9.22	502426-3010		30
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.		CKT.
				MODEL No.	502426-**-10	

REVISED EC NO: J2010-0990 DRWN: TSUZUKI 01 CHKD: THIRATA APPR: MSASAO REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2007/10/03	TITLE 0.4 B-TO-B CONN. HGT=1.0 REC ASSY EMBSTP PKG				
		10 OVER 30 UNDER	± ---	CHECKED BY MSASAO	DATE 2007/10/03					
		30 OVER	± ---	APPROVED BY MSASAO	DATE 2007/10/03	MOLEX INCORPORATED				
		ANGULAR	± --- °	MATERIAL NO.		DOCUMENT NO.			SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502426-002			3 OF 4	
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

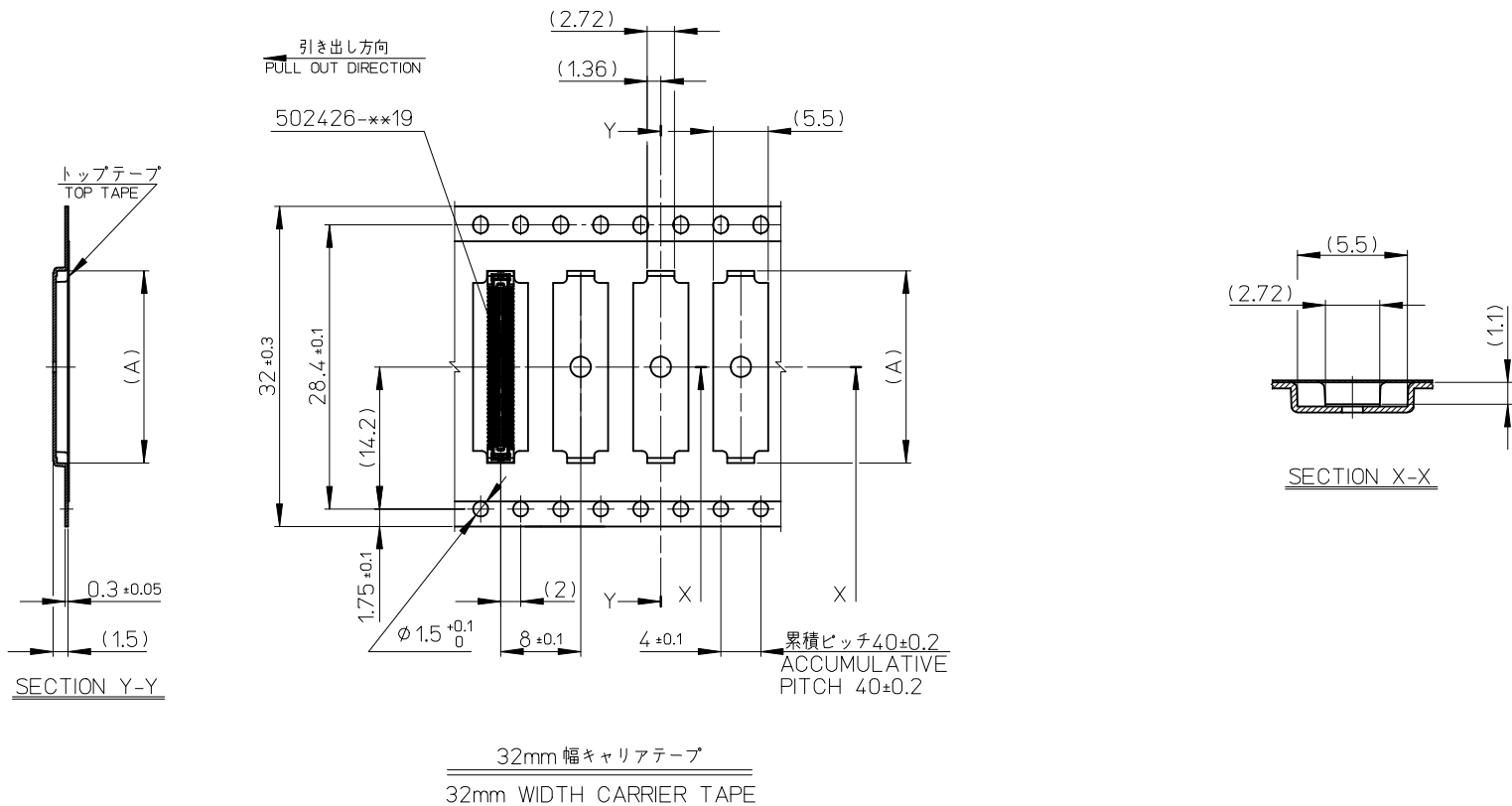
E

D

C

B

A



32	37.4	33.4	19.22	502426-8010	80
キャリアテープ幅 CARRIER TAPE WIDTH		C	B	(A)	MODEL No. 502426-**-10

REVISED EC NO: J2010-0990 DRWN: TSUZUKI 01 CHKD: THIRATA APPR: MSASAO	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER ± ---		DRAWN BY DATE RTAKEUCHI 2007/10/03		TITLE 0.4 B-TO-B CONN. HGT=1.0 REC ASSY EMBSTP PKG			
		10 OVER 30 UNDER ± ---		CHECKED BY DATE MSASAO 2007/10/03					
		30 OVER ± ---		APPROVED BY DATE MSASAO 2007/10/03		MOLEX MOLEX INCORPORATED			
		ANGULAR ± --- °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SD-502426-002		SHEET NO. 4 OF 4	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			