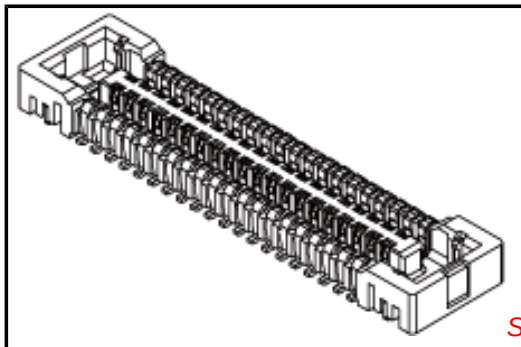
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 5024261430
**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, with Vacuum Tape, 14 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-502426-001 (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) | 14 |
| 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

| | |
|---|---|
| Application Specification | AS-502426-001 |
| Packaging Specification | SPK-502426-001 |
| 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-502426-003, SD-502426-004 |

**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

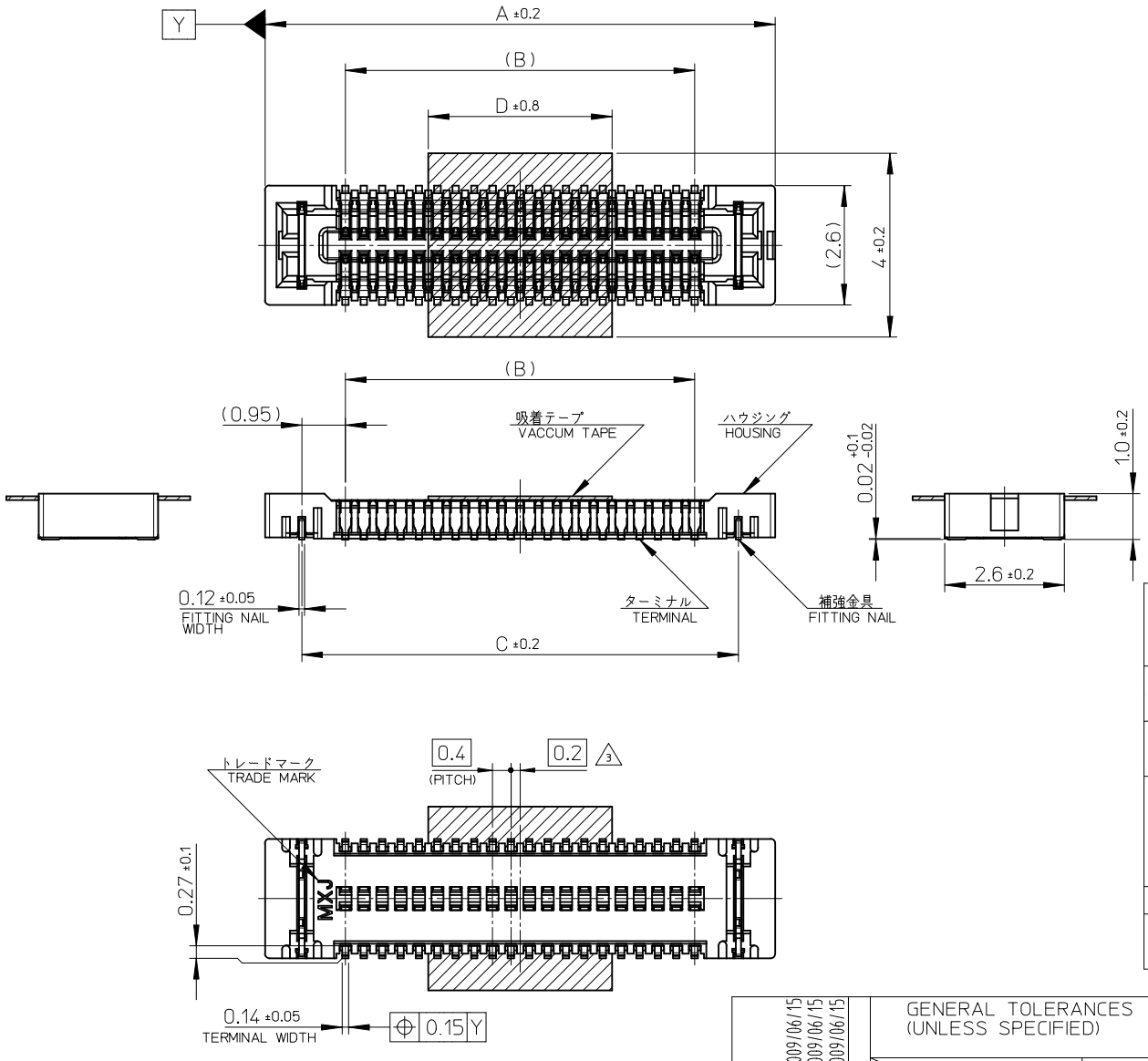
Please visit the Contact Us section for any non-product compliance questions.

**Search Parts in this Series**
502426Series

**Mates With**
502430 PCB Header

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**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**




| D | C | B | A | EMBOSSED TAPE PACKAGE ORDER No. | CKT. |
|---|---|---|---|---|---|
| 10.0 | 19.5 | 17.6 | 21.1 | 502426-9030 | 90 |
| | 17.5 | 15.6 | 19.1 | 502426-8030 | 80 |
| | 15.5 | 13.6 | 17.1 | 502426-7030 | 70 |
| 7.0 | 13.5 | 11.6 | 15.1 | 502426-6030 | 60 |
| | 11.5 | 9.6 | 13.1 | 502426-5030 | 50 |
| 4.0 | 9.5 | 7.6 | 11.1 | 502426-4030 | 40 |
| | 7.9 | 6.0 | 9.5 | 502426-3230 | 32 |
| 3.4 | 6.7 | 4.8 | 8.3 | 502426-2630 | 26 |
| | 6.3 | 4.4 | 7.9 | 502426-2430 | 24 |
| | 5.9 | 4.0 | 7.5 | 502426-2230 | 22 |
| | 5.5 | 3.6 | 7.1 | 502426-2030 | 20 |
| 2.4 | 4.3 | 2.4 | 5.9 | 502426-1430 | 14 |

CONNECTOR SERIES No. : 502426-**39

REVISED
EC NO: J2009-0889 2009/06/15
DRWN:YAOYAGI 2009/06/15
CH'KD:THARUYAMA 2009/06/15
APPR:NUKITA 2009/06/15
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

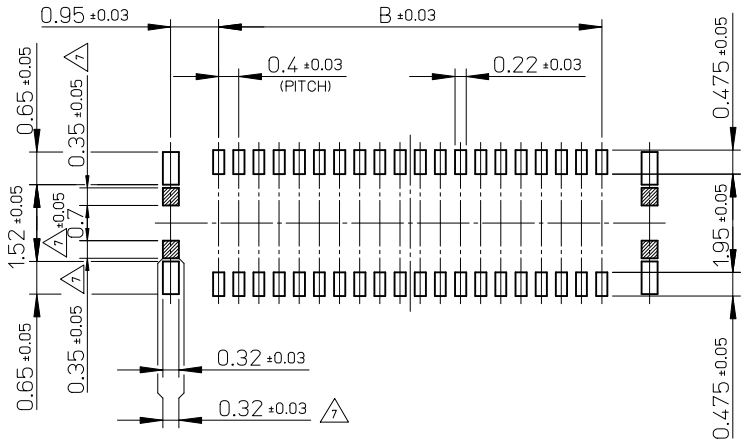
DRAWN BY: RTAKEUCHI DATE: 2007/12/26
CHECKED BY: MSASAO DATE: 2007/12/26
APPROVED BY: MSASAO DATE: 2007/12/26

TITLE: 0.4 B-TO-B CONN. HGT=1.0 W=2.6 REC ASSY WITH TAPE

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-502426-003
SHEET NO.: 1 OF 2
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION




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)

吸着テープ：ポリイミド
VACUUM TAPE : POLYIMIDE

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: J2009-0889 2009/06/15
DRWN:YAOYAGI 2009/06/15
CH'KD:THARUYAMA
APPR:NUKITA 2009/06/15
DESCRIPTION
REV C

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

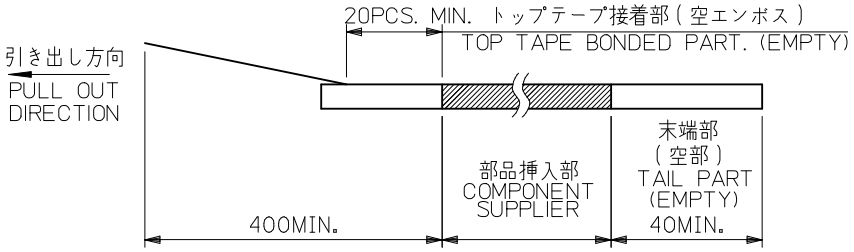
| | | | |
|---|---|---|---|
| DIMENSION STYLE: MM ONLY | SCALE: 10:1 | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION |
| DRAWN BY: RTAKEUCHI DATE: 2007/12/26 | TITLE: 0.4 B-TO-B CONN. HGT=1.0 W=2.6 REC ASSY WITH TAPE | | |
| CHECKED BY: MSASAO DATE: 2007/12/26 | | | |
| APPROVED BY: MSASAO DATE: 2007/12/26 | molex MOLEX INCORPORATED | | |
| MATERIAL NO.: SEE SHEET 1 | DOCUMENT NO.: SD-502426-003 | SHEET NO.: 2 OF 2 | |

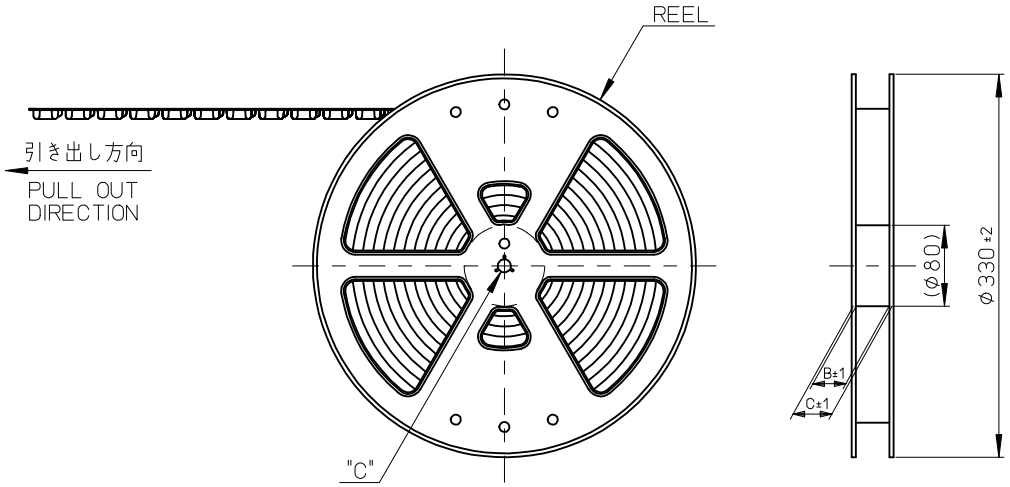
SIZE A3

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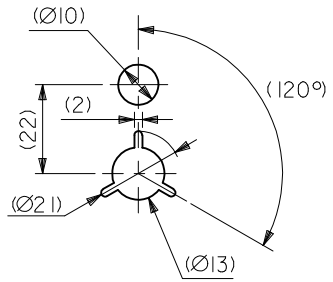
注記 NOTES

1. 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.
2. 梱包数量：3000 個／リール
   NUMBER OF CONNECTORS : 3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH




4. 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>
5. ELV 及び RoHS適合品
   ELV AND RoHS COMPLIANT




DETAIL "C"

| | | | | | |
|---|---|---|---|---|---|
| REVISED EC NO: J2009-0889 | DRWN:YAOYAGI 2009/06/15 | CH'KD:THARUYAMA 2009/06/15 | APPR:NUKITA 2009/06/15 | DESCRIPTION | REV C |

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | | | |
|---|---|---|---|
| DIMENSION STYLE: MM ONLY | SCALE: --- | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION |
| 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 | | | |

MODEL NO. 502426-**30

TITLE: 0.4 B-TO-B CONN. HGT=1.0 REC ASSY WITH TAPE EMBSTP PKG

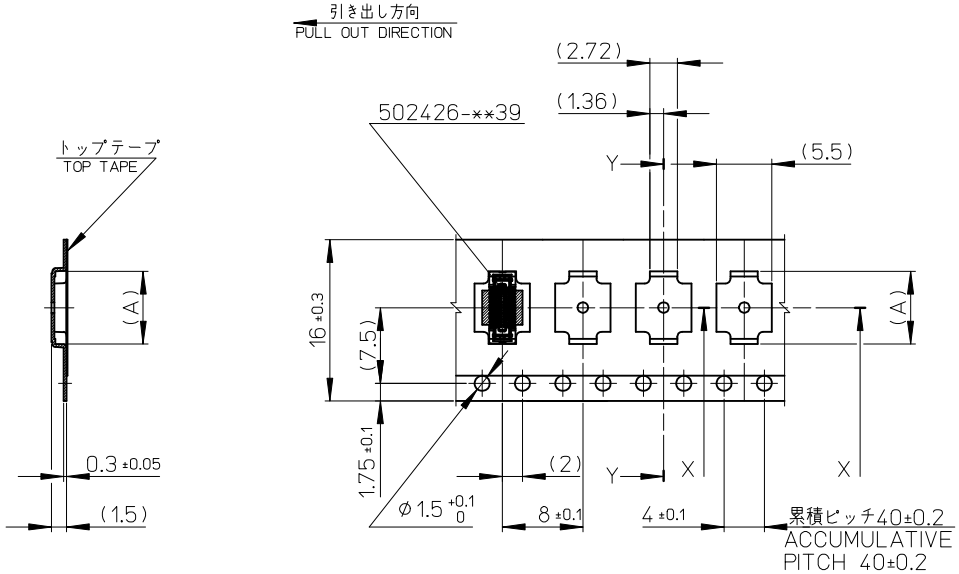
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DOCUMENT NO.: SD-502426-004

SHEET NO.: 1 OF 4

SIZE A3

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16mm 幅キャリアテープ

16mm WIDTH CARRIER TAPE

| キャリアテープ幅 CARRIER TAPE WIDTH | C | B | (A) | MATERIAL No. | CKT. |
|---|---|---|---|---|---|
| | | | | MODEL No. | 502426-**30 |
| 16 | 21.4 | 17.4 | 8.42 | 502426-2630 | 26 |
| | | | 8.02 | 502426-2430 | 24 |
| | | | 7.62 | 502426-2230 | 22 |
| | | | 7.22 | 502426-2030 | 20 |
| | | | 6.02 | 502426-1430 | 14 |

REVISED
EC NO: J2009-0889 2009/06/15
DRWN:YAOYAGI 2009/06/15
CH'KD:THARUYAMA
APPR:NUKITA 2009/06/15
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: RTAKEUCHI DATE: 2007/12/26
CHECKED BY: MSASAO DATE: 2007/12/26
APPROVED BY: MSASAO DATE: 2007/12/26

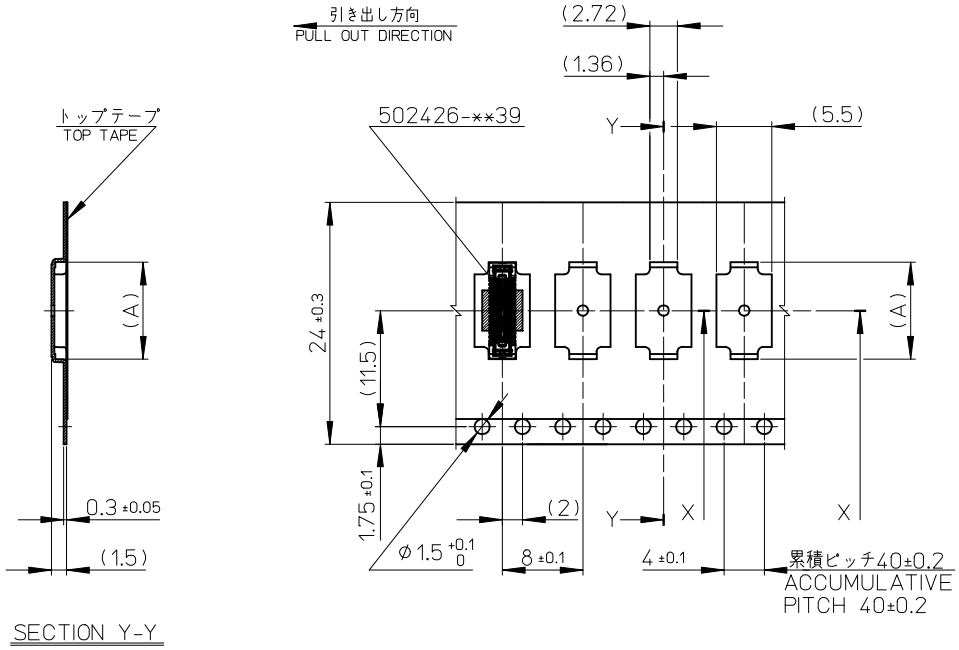
TITLE: 0.4 B-TO-B CONN. HGT=1.0 REC ASSY WITH TAPE EMBSTP PKG

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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-502426-004
SHEET NO.: 2 OF 4

SIZE A3

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24mm 幅キャリアテープ

24mm WIDTH CARRIER TAPE

| キャリアテープ幅 CARRIER TAPE WIDTH | C | B | (A) | MATERIAL No. | CKT. |
|---|---|---|---|---|---|
| | | | | MODEL No. | 502426-**30 |
| 24 | 29.4 | 25.4 | 15.22 | 502426-6030 | 60 |
| | | | 13.22 | 502426-5030 | 50 |
| | | | 11.22 | 502426-4030 | 40 |
| | | | 9.62 | 502426-3230 | 32 |

REVISED
EC NO: J2009-0889 2009/06/15
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CH'KD:THARUYAMA 2009/06/15
APPR:NUKITA 2009/06/15
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

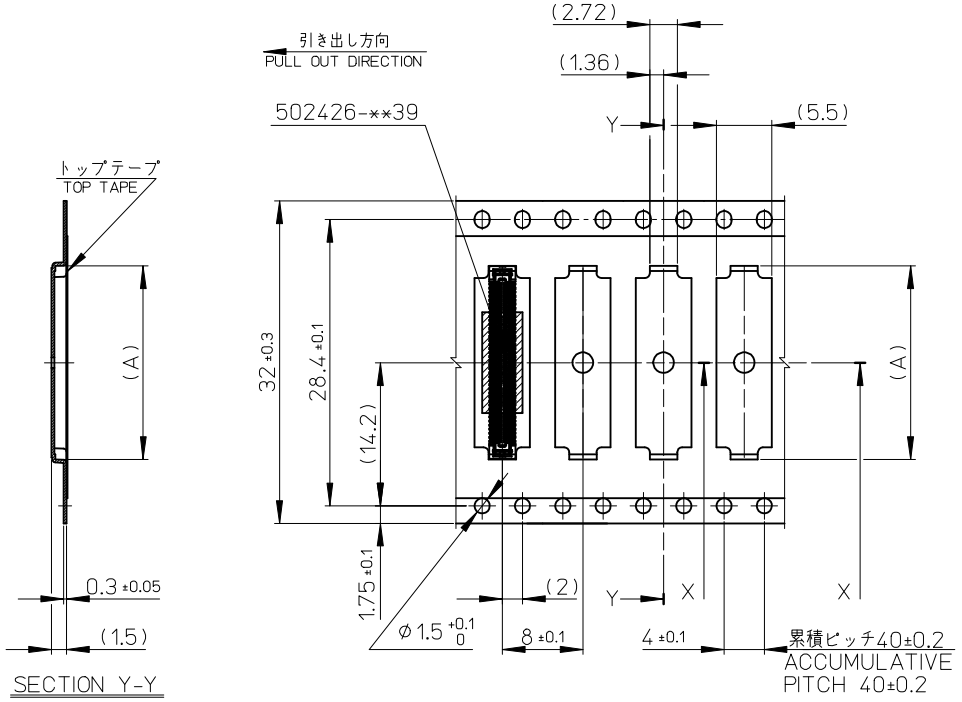
DRAWN BY: RTAKEUCHI DATE: 2007/12/26
CHECKED BY: MSASAO DATE: 2007/12/26
APPROVED BY: MSASAO DATE: 2007/12/26

TITLE: 0.4 B-TO-B CONN. HGT=1.0 REC ASSY WITH TAPE EMBSTP PKG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-502426-004
SHEET NO.: 3 OF 4
SIZE: A3

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32mm 幅キャリアテープ

32mm WIDTH CARRIER TAPE

| キャリアテープ幅 CARRIER TAPE WIDTH | C | B | (A) | MATERIAL No. | CKT. |
|---|---|---|---|---|---|
| 32 | 37.4 | 33.5 | 21.22 | 502426-9030 | 90 |
| | | | 19.22 | 502426-8030 | 80 |
| | | | 17.22 | 502426-7030 | 70 |
| | | | | MODEL No. | 502426-**30 |

REVISED
EC NO: J2009-0889 2009/06/15
DRWN:YAOYAGI 2009/06/15
CH'KD:THARUYAMA
APPR:NUKITA 2009/06/15
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: RTAKEUCHI DATE: 2007/12/26
CHECKED BY: MSASAO DATE: 2007/12/26
APPROVED BY: MSASAO DATE: 2007/12/26

TITLE: 0.4 B-TO-B CONN. HGT=1.0 REC ASSY WITH TAPE EMBSTP PKG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-502426-004
SHEET NO.: 4 OF 4

SIZE A3

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