

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0527460471](#)
Status: **Active**
Overview:
Description: 0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Bottom Contact Style, 4 Circuits, Lead-free, Gold Contact Plating, High Barrier Packaging

Agency Certification

CSA LR19980
 UL E29179

General

Product Family FFC/FPC Connectors
 Series 52746
 Overview ffc_fpc_smt
 Product Name N/A

Physical

Circuits (Loaded) 4
 Contact Position Bottom
 Durability (mating cycles max) 20
 Entry Angle 90° Angle
 Flammability 94V-0
 Mated Height (in) 0.079 In
 Mated Height (mm) 2.00 mm
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Gold
 Number of Rows 1
 Orientation Right Angle
 PCB Locator No
 PCB Retention Yes
 Packaging Type Embossed Tape on Reel
 Pitch - Mating Interface (in) 0.020 In
 Pitch - Mating Interface (mm) 0.50 mm
 Polarized to PCB Yes
 Stackable No
 Temperature Range - Operating -20°C to +85°C
 Termination Interface: Style Surface Mount
 Wire/Cable Type FFC/FPC

Electrical

Current - Maximum per Contact 0.5A
 Voltage - Maximum 50V

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-52746-001, SPK-52746-002
 Product Specification PS-52746-015, RPS-52746-017, RPS-52746-047, RPS-52746-050, RPS-52746-051, RPS-52746-053, RPS-52746-054, RPS-52746-056, RPS-52746-057, RPS-52746-059, RPS-52746-060, RPS-52746-062
 Sales Drawing SD-52746-024, SD-52746-025

EU RoHS

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

China RoHS



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.

Search Parts in this Series

52746Series

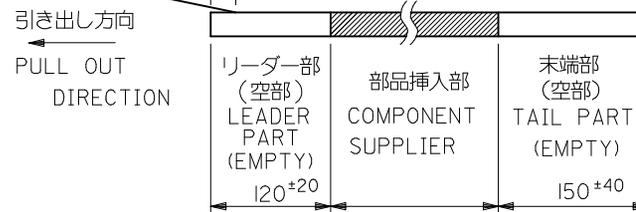
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

注記 NOTES

1. 製品番号 52746-***39 の梱包状態はアクチュエータがロックした状態とする。
 詳細寸法については図面 SD-52746-025 を参照下さい。
 IN THE PACKAGE,ACTUATOR OF PART NO.52746-***39 SHOULD BE LOCKED
 RE DETAILED DIMENSIONS,SEE SD-52746-025

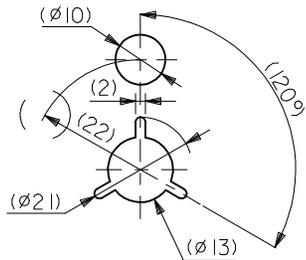
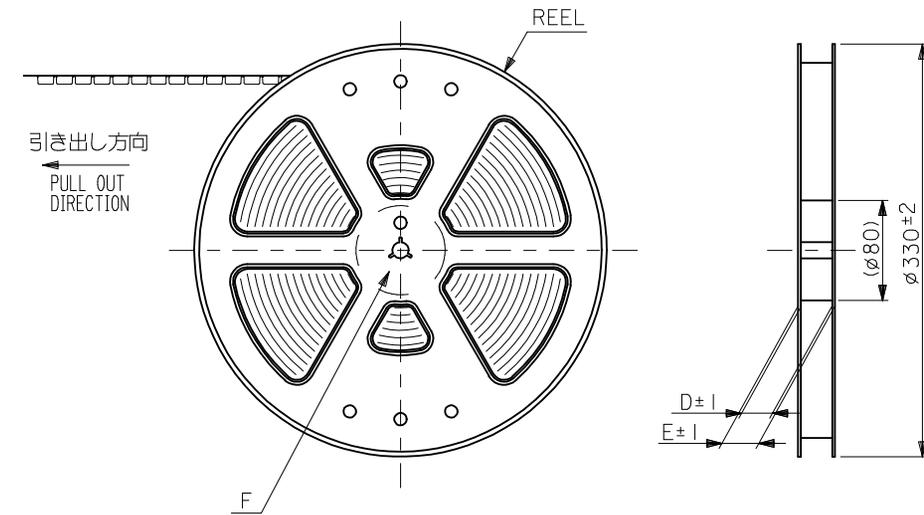
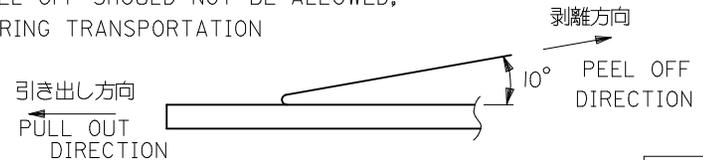
2. 梱包数量：1000個/リール
 NUMBER OF CONNECTORS:1000PCS/REEL

3. リードテープ長さ LEAD TAPE LENGTH



4. トップテープの剥離強度：(剥離方向は下図参照)
 0.1N~1.3N{10gf~130gf} 尚、本規格値は、出荷時に適用。
 (但し、輸送時に剥離が発生しない事。)

PEELING OFF FORCE OF TOP TAPE
 0.1N~1.3N{10gf~130gf}(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
 THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
 PEEL OFF SHOULD NOT BE ALLOWED,
 DURING TRANSPORTATION



DETAIL F

5. 材料 キャリアテープ:ポリプロピレン (PP)
 トップテープ:PET, PE, PEF
 リール:ポリスチレン (PS) <リサイクル材を含む>

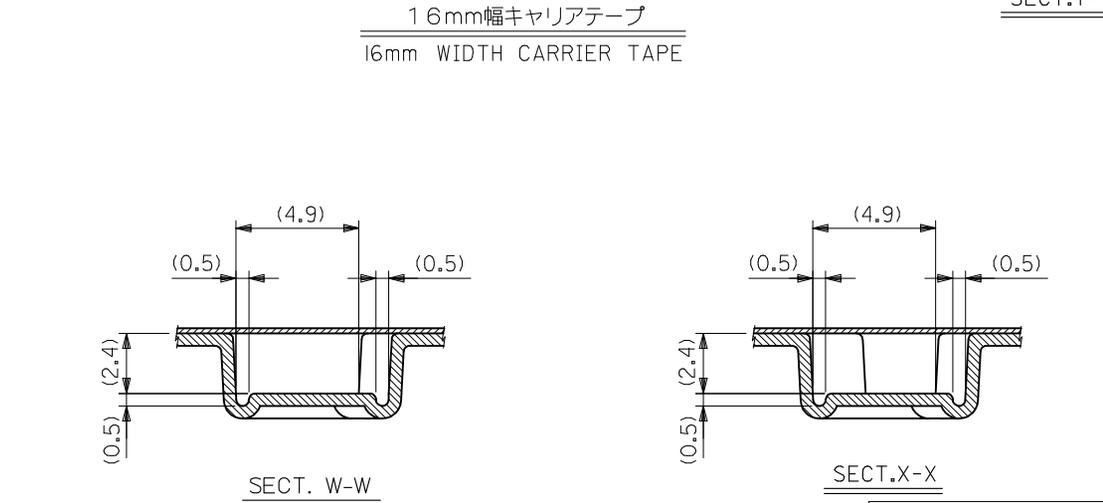
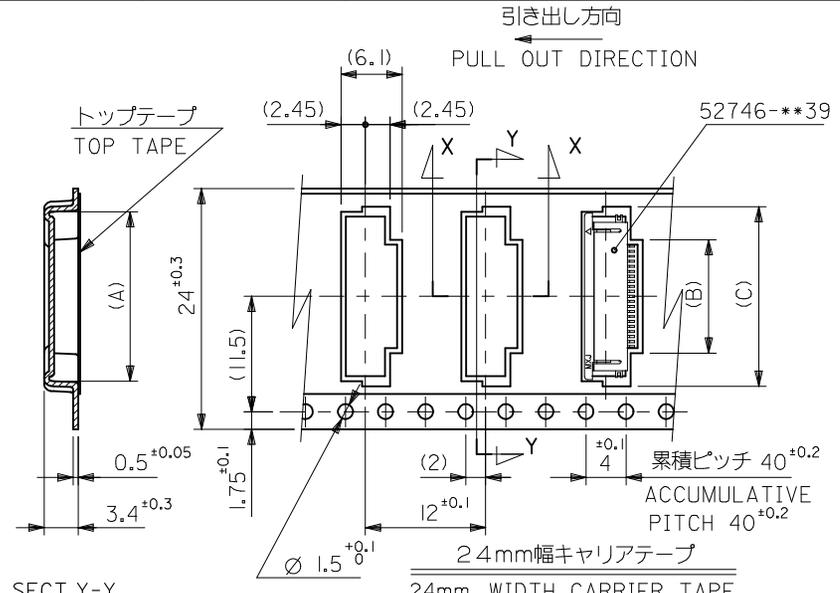
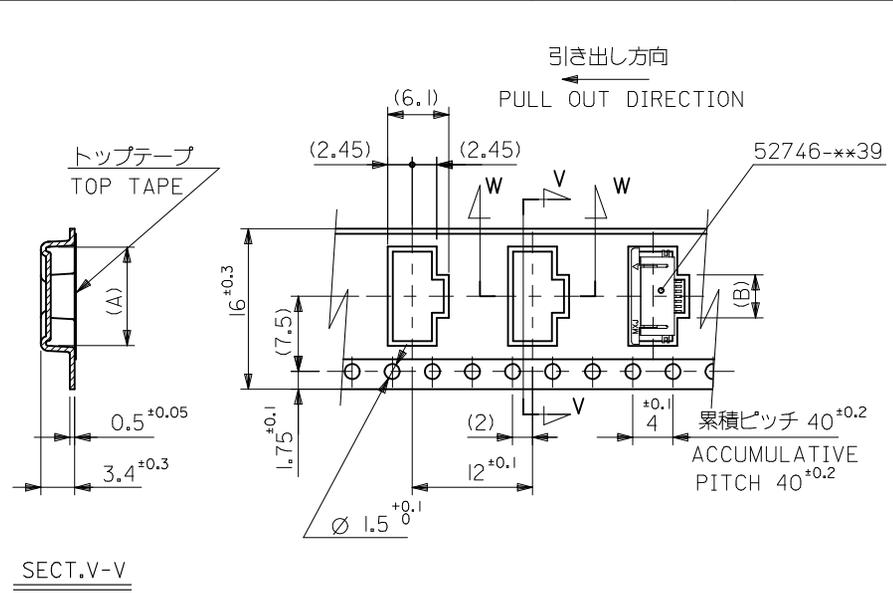
MATERIAL CARRIER TAPE:POLYPROPYLENE
 TOP TAPE:PET,PE,PEF
 REEL:POLYSTYRENE(PS)
 <RECYCLE MATERIAL CONTAINED>

6. 本製品は 52746-***81 の鉛フリー品です
 THIS PRODUCT IS LEAD FREE OF 52746-***81

7. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
 THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.

MODEL No.52746-***71

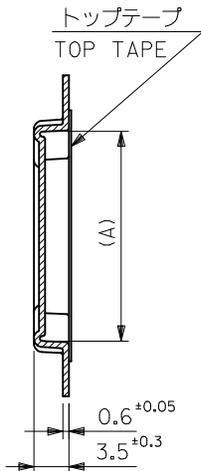
| | | | | | | | |
|--|---------------------------------------|---|-------------------------------|-------------------|--|------------------------|------------------------|
| REVISED EC NO: J2009-2061 DRWN:TKON CHKD:HATSUMOTO APPR:NUKITA | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | 10 UNDER | ±0.2 | DRAWN BY HSHIMABUKURO | DATE '04/01/30 | TITLE 0.5 FPC CONN ZIF SMT RA B/CONT EMBSTP PKG -LEAD FREE- | | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY KTOJO | DATE '04/01/30 | | | |
| | 30 OVER | ±0.3 | APPROVED BY MSASAO | DATE '04/01/30 | MOLEX INCORPORATED | | |
| | ANGULAR ±3 ° | | MATERIAL NO. SEE SHEET 2,3 | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |



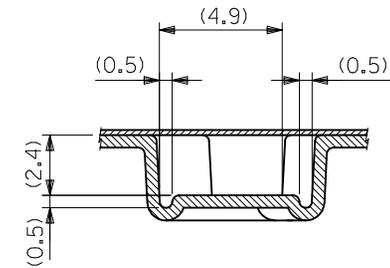
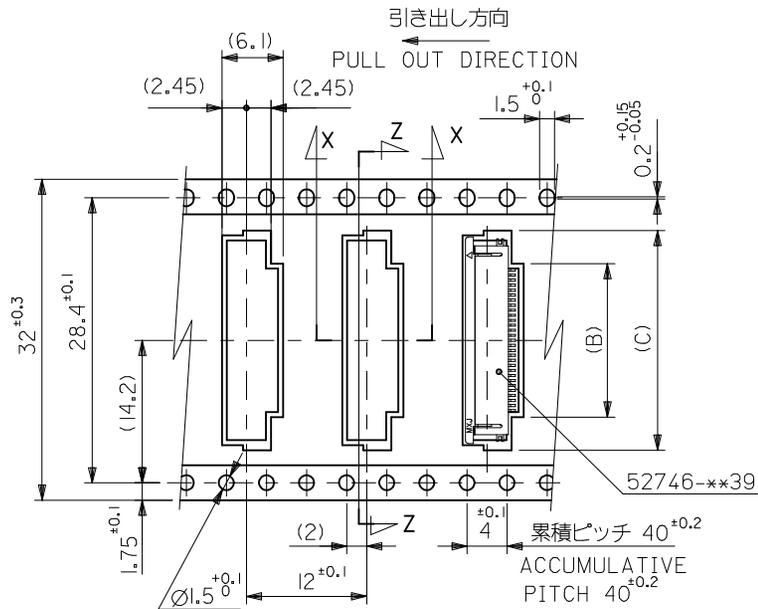
| | | | | | | | |
|------|------|------|------------|------|------|------------|----|
| 24 | 29.4 | 25.4 | 24.4 | 11.8 | 17.4 | 52746-2271 | 22 |
| | | | 17.9 | 11.3 | 16.9 | 52746-2171 | 21 |
| | | | 17.4 | 10.8 | 16.4 | 52746-2071 | 20 |
| | | | 16.9 | 10.3 | 15.9 | 52746-1971 | 19 |
| | | | 16.4 | 9.8 | 15.4 | 52746-1871 | 18 |
| | | | 15.9 | 9.3 | 14.9 | 52746-1771 | 17 |
| | | | 15.4 | 8.8 | 14.4 | 52746-1671 | 16 |
| | | | 14.9 | 8.3 | 13.9 | 52746-1571 | 15 |
| | | | 14.4 | 7.8 | 13.4 | 52746-1471 | 14 |
| | | | 13.9 | 7.3 | 12.9 | 52746-1371 | 13 |
| | | | 13.4 | 6.8 | 12.4 | 52746-1271 | 12 |
| | | | 12.9 | 6.3 | 11.9 | 52746-1171 | 11 |
| | | | 12.4 | 5.8 | 11.4 | 52746-1071 | 10 |
| | | | 11.9 | 5.3 | 10.9 | 52746-0971 | 9 |
| | | | 11.4 | 4.8 | 10.4 | 52746-0871 | 8 |
| | | | 10.9 | 4.3 | 9.9 | 52746-0771 | 7 |
| 10.4 | 3.8 | 9.4 | 52746-0671 | 6 | | | |
| 9.4 | 2.8 | 8.4 | 52746-0471 | 4 | | | |
| 16 | 21.4 | 17.4 | 9.4 | 2.8 | 8.4 | 52746-0471 | 4 |

| | | | | | | | |
|--------------------------------|---|---|-----|-----|-----|--------------|----------------|
| キャリアテープ幅 CARRIER TAPE WIDTH | E | D | (C) | (B) | (A) | MATERIAL NO. | 極数 CIRCUITS |
| MODEL No.52746-***71 | | | | | | | |

| | | | | | | | | | |
|--|--------------|--|-------|----------------------------|-------------------|---|------------------------|------------------------|--|
| REVISED EC NO: J2009-2061 DRWN:TKON 2009/05/20 CHKD:HMATSUMOTO 2009/05/21 APPR:NIKI ITA 2009/05/21 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 10 UNDER | ±0.2 | DRAWN BY HSHIMABUKURO | DATE '04/01/30 | TITLE 0.5 FPC CONN ZIF SMT RA B/CONT EMBSTP PKG -LEAD FREE- | | | |
| | | 10 OVER 30 UNDER | ±0.25 | CHECKED BY KTOJO | DATE '04/01/30 | MOLEX INCORPORATED SD-52746-024 | | | |
| | | 30 OVER | ±0.3 | APPROVED BY MSASAO | DATE '04/01/30 | | | | |
| REV | ANGULAR ±3 ° | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MATERIAL NO. SEE TABLE | | DOCUMENT NO. SD-52746-024 | | | |
| | | | | SIZE A3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |



SECT.Z-Z



SECT.X-X

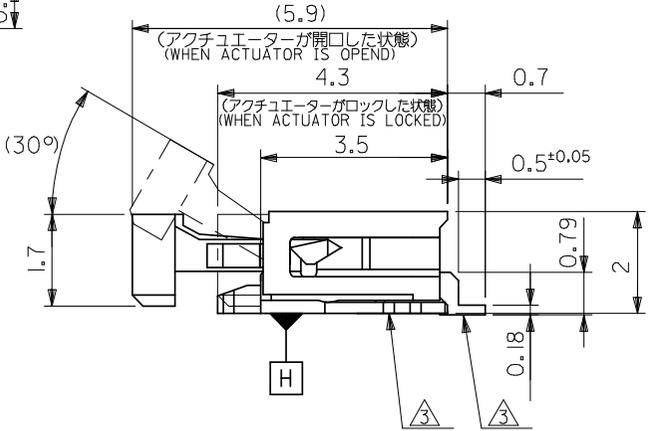
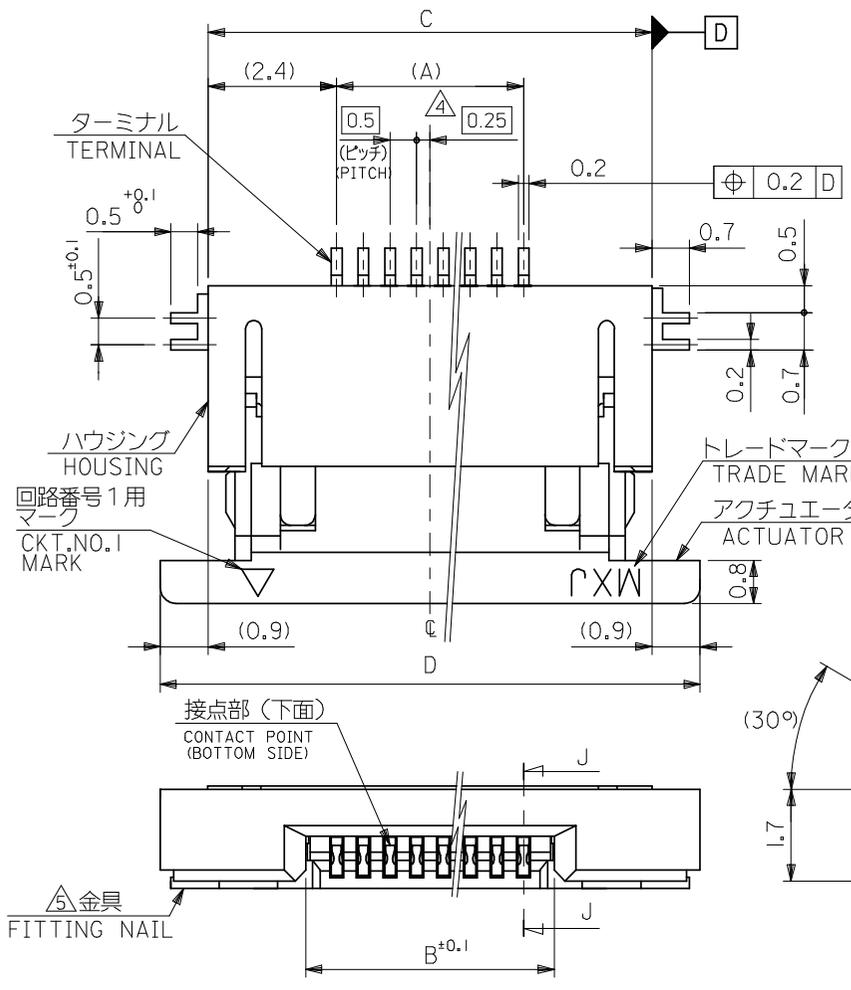
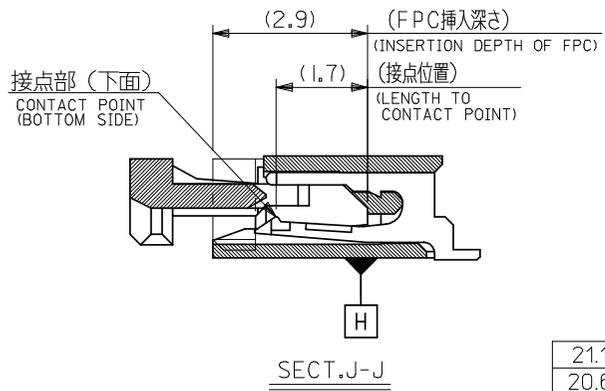
32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

| | | | | | | | |
|--------------------------------|------|------|------|------|------|--------------|---------------|
| 32 | 37.4 | 33.4 | 22.4 | 15.8 | 21.4 | 52746-3071 | 30 |
| | | | 21.4 | 14.8 | 20.4 | 52746-2871 | 28 |
| | | | 20.9 | 14.3 | 19.9 | 52746-2771 | 27 |
| | | | 19.9 | 13.3 | 18.9 | 52746-2571 | 25 |
| | | | 19.4 | 12.8 | 18.4 | 52746-2471 | 24 |
| キャリアテープ幅 CARRIER TAPE WIDTH | E | D | (C) | (B) | (A) | MATERIAL NO. | 極数 CIRCUIT |

| | | | | | | |
|--|--|--|----------------------------|--|--|---------------------------|
| REVISED EC NO: J2009-2061 DRWN:TKON 2009/05/20 CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 2009/05/21 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE MM ONLY | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | REV | 10 UNDER ±0.2 | DRAWN BY HSHIMABUKURO | DATE '04/01/30 | TITLE 0.5 FPC CONN ZIF SMT RA B/CONT EMBSTP PKG -LEAD FREE- | |
| | | 10 OVER 30 UNDER ±0.25 | CHECKED BY KTOJO | DATE '04/01/30 | MOLEX INCORPORATED | |
| | | 30 OVER ±0.3 | APPROVED BY MSASAO | DATE '04/01/30 | DOCUMENT NO. SD-52746-024 | SHEET NO. 3 OF 3 |
| | | ANGULAR ±3 ° | MATERIAL NO. SEE TABLE | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | |

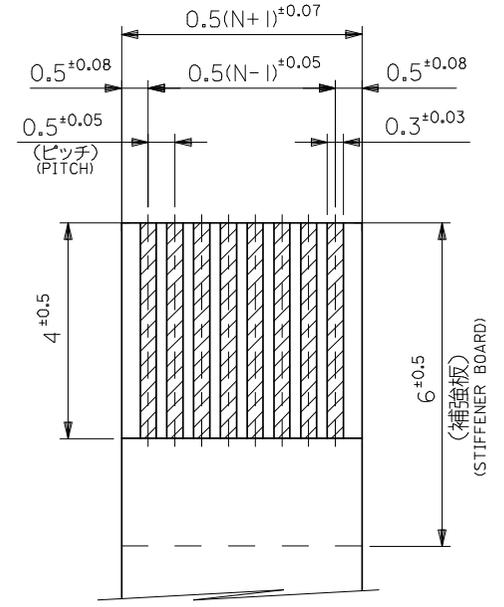
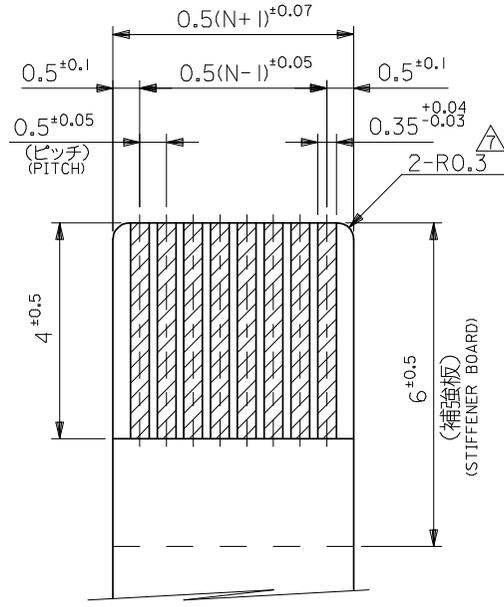
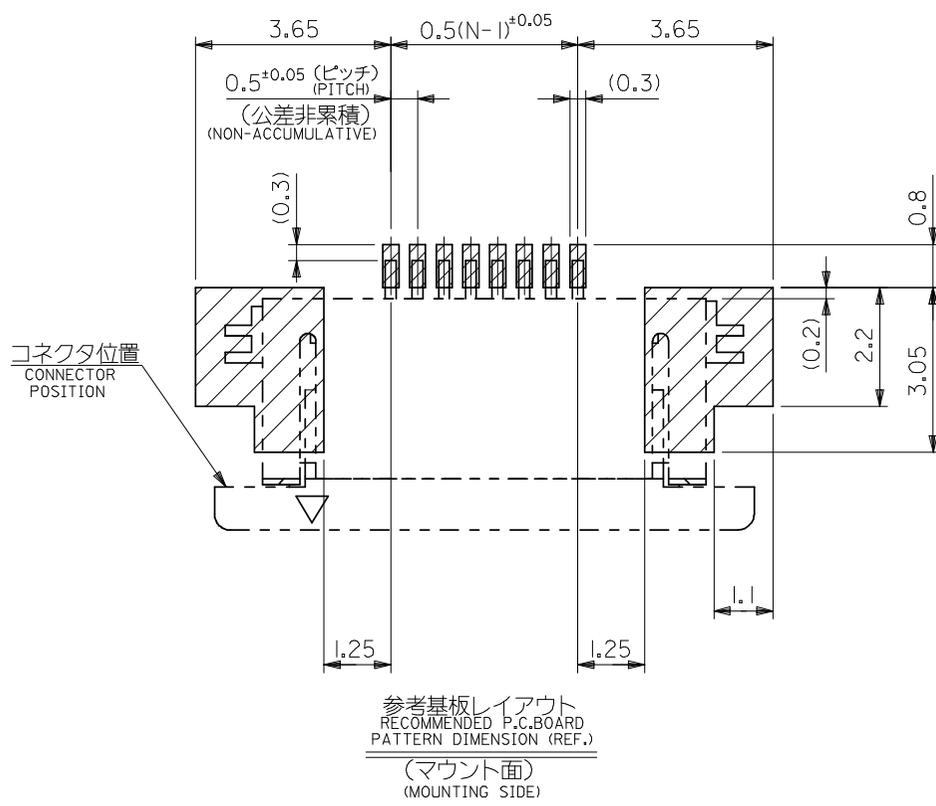
注記 NOTES

- 使用材料 MATERIAL
 - ハウジング HOUSING : 46ナイロン, UL94V-0 46NYLON
 - アクチュエータ ACTUATOR : PPS, UL94V-0
 - ターミナル TERMINAL : リン青銅 (≒0.2), ニッケル下地 金メッキ PHOSHOR BRONZE, GOLD OVER NICKEL PLATING
 - 金具 FITTING NAIL : リン青銅 (≒0.2), ニッケル下地 鍍メッキ PHOSHOR BRONZE, TIN OVER NICKEL PLATING
- エンボステープ梱包時は、アクチュエータがロックした状態とす。 IN THE PACKAGE, ACTUATOR OF PART NO.52746-**39 SHOULD BE LOCKED.
- ソルダーテール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 H に対し、上方向 0.1MAX, 下方向 0.15MAX とす。 MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM H UPPER DIRECTION: 0.1 MAX., LOWER DIRECTION: 0.15MAX.
- 偶数極に適用。 APPLY FOR EVEN CIRCUIT.
- パターンはくり止め用金具 FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.
- 本製品は 52746-**38の鉛フリー品です。 THIS PRODUCT IS LEAD FREE OF 52746-**38



| | | | | | | |
|------|------|-------|------|-------------------------------|--------------|-------------|
| 21.1 | 19.3 | 15.65 | 14.5 | 52746-3071 | 52746-3039 | 30 |
| 20.6 | 18.8 | 15.15 | 14.0 | 52746-2971 | 52746-2939 | 29 |
| 20.1 | 18.3 | 14.65 | 13.5 | 52746-2871 | 52746-2839 | 28 |
| 19.6 | 17.8 | 14.15 | 13.0 | 52746-2771 | 52746-2739 | 27 |
| 19.1 | 17.3 | 13.65 | 12.5 | 52746-2671 | 52746-2639 | 26 |
| 18.6 | 16.8 | 13.15 | 12.0 | 52746-2571 | 52746-2539 | 25 |
| 18.1 | 16.3 | 12.65 | 11.5 | 52746-2471 | 52746-2439 | 24 |
| 17.6 | 15.8 | 12.15 | 11.0 | 52746-2371 | 52746-2339 | 23 |
| 17.1 | 15.3 | 11.65 | 10.5 | 52746-2271 | 52746-2239 | 22 |
| 16.6 | 14.8 | 11.15 | 10.0 | 52746-2171 | 52746-2139 | 21 |
| 16.1 | 14.3 | 10.65 | 9.5 | 52746-2071 | 52746-2039 | 20 |
| 15.6 | 13.8 | 10.15 | 9.0 | 52746-1971 | 52746-1939 | 19 |
| 15.1 | 13.3 | 9.65 | 8.5 | 52746-1871 | 52746-1839 | 18 |
| 14.6 | 12.8 | 9.15 | 8.0 | 52746-1771 | 52746-1739 | 17 |
| 14.1 | 12.3 | 8.65 | 7.5 | 52746-1671 | 52746-1639 | 16 |
| 13.6 | 11.8 | 8.15 | 7.0 | 52746-1571 | 52746-1539 | 15 |
| 13.1 | 11.3 | 7.65 | 6.5 | 52746-1471 | 52746-1439 | 14 |
| 12.6 | 10.8 | 7.15 | 6.0 | 52746-1371 | 52746-1339 | 13 |
| 12.1 | 10.3 | 6.65 | 5.5 | 52746-1271 | 52746-1239 | 12 |
| 11.6 | 9.8 | 6.15 | 5.0 | 52746-1171 | 52746-1139 | 11 |
| 11.1 | 9.3 | 5.65 | 4.5 | 52746-1071 | 52746-1039 | 10 |
| 10.6 | 8.8 | 5.15 | 4.0 | 52746-0971 | 52746-0939 | 9 |
| 10.1 | 8.3 | 4.65 | 3.5 | 52746-0871 | 52746-0839 | 8 |
| 9.6 | 7.8 | 4.15 | 3.0 | 52746-0771 | 52746-0739 | 7 |
| 9.1 | 7.3 | 3.65 | 2.5 | 52746-0671 | 52746-0639 | 6 |
| 8.1 | 6.3 | 2.65 | 1.5 | 52746-0471 | 52746-0439 | 4 |
| D | C | B | (A) | EMBOSSD TAPE ORDER No. オーダー番号 | MATERIAL NO. | 極数 CIRCUITS |

| | | | | | | | | | |
|---|---------------------------------------|-------|----------------------------|--|-------------------|--|------------------------|--|--|
| REVISED EC NO: J2008-4308 DRW: MNABEI 2008/06/27 CH: KD: THARUYAMA 2008/06/30 APPR: NUKITA 2008/06/30 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | 10 UNDER | ±0.2 | DRAWN BY HSHIMABUKURO | | DATE '04/01/30 | TITLE 0.5 FPC CONN ZIF FOR SMT R/A (BOTTOM CONTACT) -LEAD FREE- | | | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY KTOJO | | DATE '04/01/30 | | | | |
| | 30 OVER | ±0.3 | APPROVED BY MSASAO | | DATE '04/01/30 | MOLEX INCORPORATED | | | |
| | ANGULAR ±3 ° | | MATERIAL NO. | | DOCUMENT NO. | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | SEE TABLE | | SD-52746-025 | | SHEET NO. 1 OF 2 | | |



注記 NOTES

△ R0.3は、FPCの導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

FPCについて:

打抜き方向は導体側から補強板を推奨致します。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.

RECOMMENDED MATERIAL :

STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

| | | | | | | |
|--|--|-------|----------------------------|---|--|------------------------|
| REVISED EC NO: J2008-4308 DRWN: MWABEI 2008/06/27 CHKD: THARUYAMA 2008/06/30 APPR: NUKITA 2008/06/30 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE --- | 52746-**39 | MODEL NO. |
| | 10 UNDER | ±0.2 | DRAWN BY HSHIMABUKURO | DATE '04/01/30 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY KTOJO | DATE '04/01/30 | TITLE 0.5 FPC CONN ZIF FOR SMT R/A (BOTTOM CONTACT) -LEAD FREE- | |
| | 30 OVER | ±0.3 | APPROVED BY MSASAO | DATE '04/01/30 | MOLEX INCORPORATED | |
| | ANGULAR | ±3 ° | MATERIAL NO. | DOCUMENT NO. | SD-52746-025 | |
| 工 | 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 | | |

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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Факс: +7 495 668-12-70 (доб.304)

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moschip.ru_6

moschip.ru_9