

10 9 8 7 6 5 4 3 2 1

F

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F

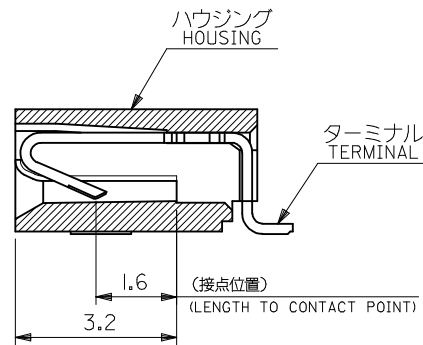
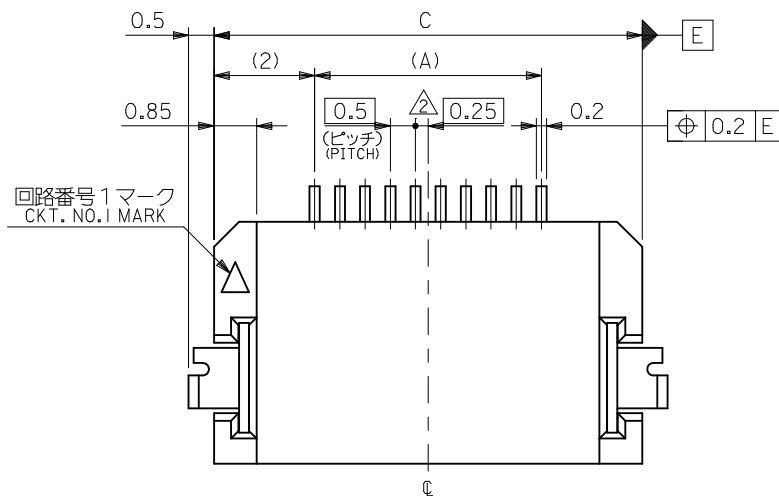
E

D

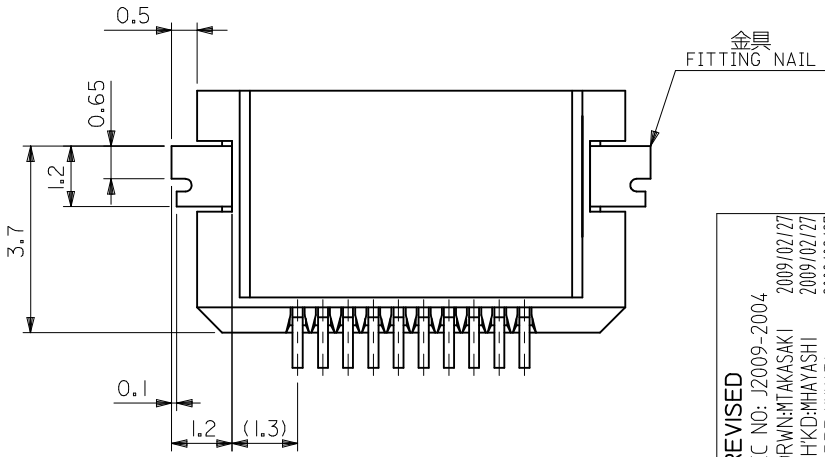
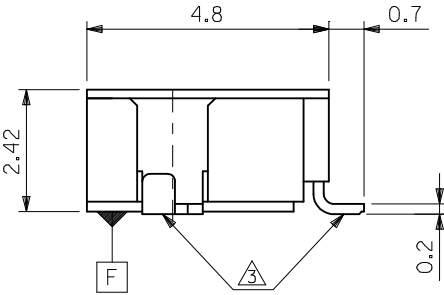
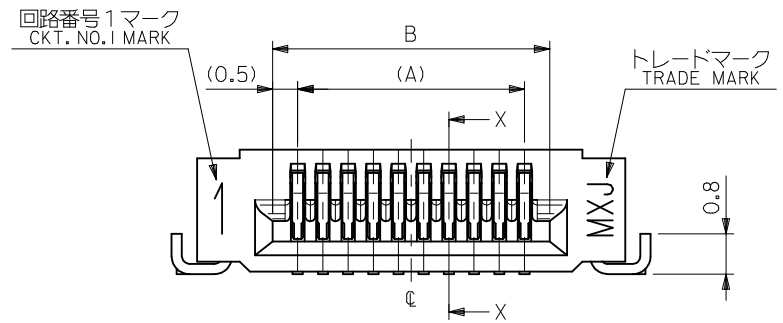
C

B

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SECT. X-X

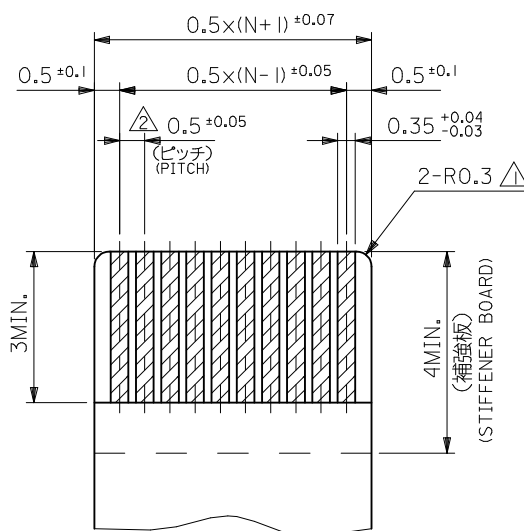


注記 NOTES

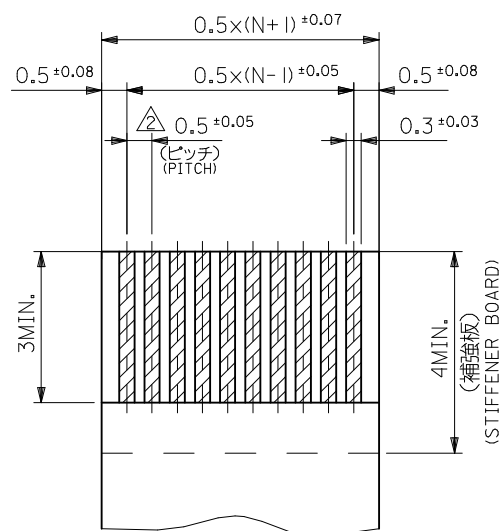
- 材質 MATERIAL  
ハウジング: PPHS, UL94V-0  
HOUSING: PPHS, UL94V-0  
ターミナル: リン青銅 (t=0.2)、  
ニッケル下地、金メッキ (接点部) 錫メッキ (テール部)  
TERMINAL: PHOS-BRO. (t=0.2),  
GOLD (CONTACT) TIN (TAIL) OVER NICKEL PLATING  
金具: リン青銅 (t=0.2)、ニッケル下地 錫メッキ  
FITTING NAIL: PHOS-BRO. (t=0.2), TIN OVER NICKEL PLATING
- 偶数極に適用。  
APPLY FOR EVEN CIRCUIT.
- ソルダーテール半田付け面及び金具半田付け面のスレ量は、  
基準面 F に対し、上方向 0.1 MAX.  
下方向 0.15 MAX. とする。  
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS  
FROM F: UPPER DIRECTION 0.1 MAX.  
: LOWER DIRECTION 0.15 MAX.
- 本製品は 52975-\*\*40 の鉛フリー (部分金メッキ) 品である。  
THIS PRODUCT IS LEAD FREE OF 52975-\*\*40 (CONTACT GOLD PLATING).
- ソルダーテールの平坦度は 0.1 MAXIMUM とする。  
SOLDER TAIL COPLANARITY IS 0.1 MAXIMUM.

|      |      |      |            |            |    |
|------|------|------|------------|------------|----|
| 16.5 | 13.5 | 12.5 | 52975-2663 | 52975-2645 | 26 |
| 15.5 | 12.5 | 11.5 | -2463      | -2445      | 24 |
| 14.0 | 11.0 | 10.0 | -2163      | -2145      | 21 |
| 13.0 | 10.0 | 9.0  | -1963      | -1945      | 19 |
| 12.5 | 9.5  | 8.5  | -1863      | -1845      | 18 |
| 12.0 | 9.0  | 8.0  | -1763      | -1745      | 17 |
| 11.5 | 8.5  | 7.5  | -1663      | -1645      | 16 |
| 11.0 | 8.0  | 7.0  | -1563      | -1545      | 15 |
| 10.0 | 7.0  | 6.0  | -1363      | -1345      | 13 |
| 9.5  | 6.5  | 5.5  | -1263      | -1245      | 12 |
| 9.0  | 6.0  | 5.0  | -1163      | -1145      | 11 |
| 8.5  | 5.5  | 4.5  | -1063      | -1045      | 10 |
| 8.0  | 5.0  | 4.0  | -0963      | -0945      | 9  |
| 7.5  | 4.5  | 3.5  | -0863      | -0863      | 8  |
| 7.0  | 4.0  | 3.0  | -0763      | -0745      | 7  |
| 6.5  | 3.5  | 2.5  | 52975-0663 | 52975-0645 | 6  |

|                                                                                                                                  |           |                            |   |                   |                                   |                                                                              |                   |                           |  |
|----------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|---|-------------------|-----------------------------------|------------------------------------------------------------------------------|-------------------|---------------------------|--|
| 52975-**45                                                                                                                       | MODEL NO. | C                          | B | A                 | EMBOSSED TAPE<br>ORDER No. オーダー番号 | MATERIAL NO.                                                                 | 極数<br>NO. OF CKT. |                           |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |           | DIMENSION STYLE<br>MM ONLY |   | SCALE<br>---      |                                   | DESIGN UNITS<br>METRIC                                                       |                   | THIRD ANGLE<br>PROJECTION |  |
| 10 UNDER ±0.2                                                                                                                    |           | DRAWN BY<br>MNABEI         |   | DATE<br>'04/08/16 |                                   | TITLE<br>0.5 FFC/FPC CONN NON-ZIF<br>HOUSING ASSY(UPPER CONT)<br>-LEAD FREE- |                   | SHEET NO.<br>1 OF 2       |  |
| 10 OVER 30 UNDER ±0.25                                                                                                           |           | CHECKED BY<br>KTOJO        |   | DATE<br>'04/08/16 |                                   | MOLEX INCORPORATED                                                           |                   |                           |  |
| 30 OVER ±0.3                                                                                                                     |           | APPROVED BY<br>NUKITA      |   | DATE<br>'04/08/16 |                                   |                                                                              |                   |                           |  |
| ANGULAR ±3 °                                                                                                                     |           | MATERIAL NO.               |   | DOCUMENT NO.      |                                   |                                                                              |                   |                           |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |           | SIZE<br>A3                 |   | SEE TABLE         |                                   | SD-52975-017                                                                 |                   |                           |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |           |                            |   |                   |                                   |                                                                              |                   |                           |  |



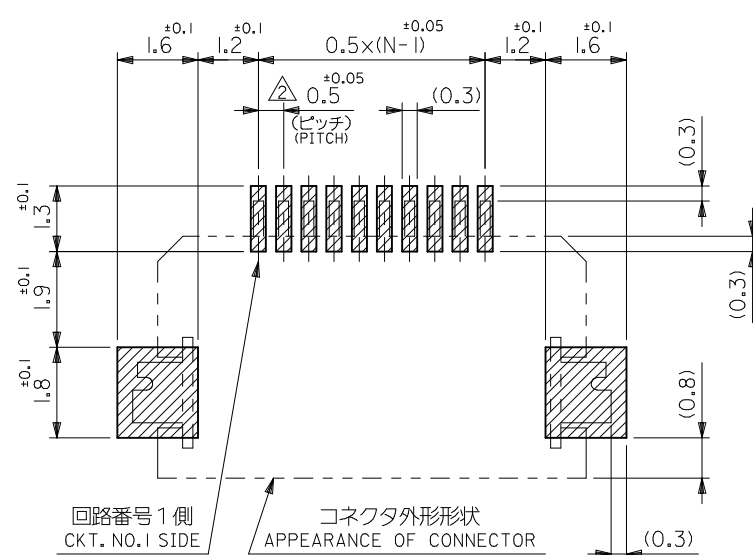
適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION  
（仕上がり厚さ：0.3±0.03）  
（THICKNESS：0.3±0.03）



適合 F F C 推奨寸法  
APPLICABLE FFC  
RECOMMENDED DIMENSION

---

(仕上がり厚さ:  $0.3 \pm 0.03$ )  
(THICKNESS :  $0.3 \pm 0.03$ )



参考基板レイアウト  
REFERENCE P.C.BOARD  
PATTERN DIMENSION

---

(マウント面)  
(MOUNTING SIDE)

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.
- △ 公差非累積のこと。  
NON-ACCUMULATIVE.

3 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: J2009-2004<br>DRAWN: MTAKASAKI<br>CHKD: MHAYASHI<br>APPR: NUKITA | 2009/02/27<br>2009/02/27<br>2009/02/27 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        | DIMENSION STYLE<br>MM ONLY |                   | SCALE<br>---                                                                                                                     | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |
|         |                                                                         |                                        |             | 10 UNDER                                                   | ± 0.2  | DRAWN BY<br>MNABE I        | DATE<br>'04/08/16 | TITLE<br>0.5 FFC/FPC CONN NON-ZIF<br>HOUSING ASSY(UPPER CONT)<br>-LEAD FREE-                                                     |                        |                                                                                       |                           |
|         |                                                                         |                                        |             | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>KTOJO        | DATE<br>'04/08/16 |                                                                                                                                  |                        |                                                                                       |                           |
|         |                                                                         |                                        |             | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>NUKITA      | DATE<br>'04/08/16 |                                                                                                                                  |                        |                                                                                       |                           |
|         |                                                                         |                                        |             | ANGULAR ±3 °                                               |        | MATERIAL NO.               |                   | DOCUMENT NO.                                                                                                                     |                        | SHEET NO.                                                                             |                           |
|         |                                                                         |                                        |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE SHEET 1                |                   | SD-52975-017                                                                                                                     |                        | 2 OF 2                                                                                |                           |
|         |                                                                         |                                        |             | REV                                                        |        |                            |                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                       |                           |

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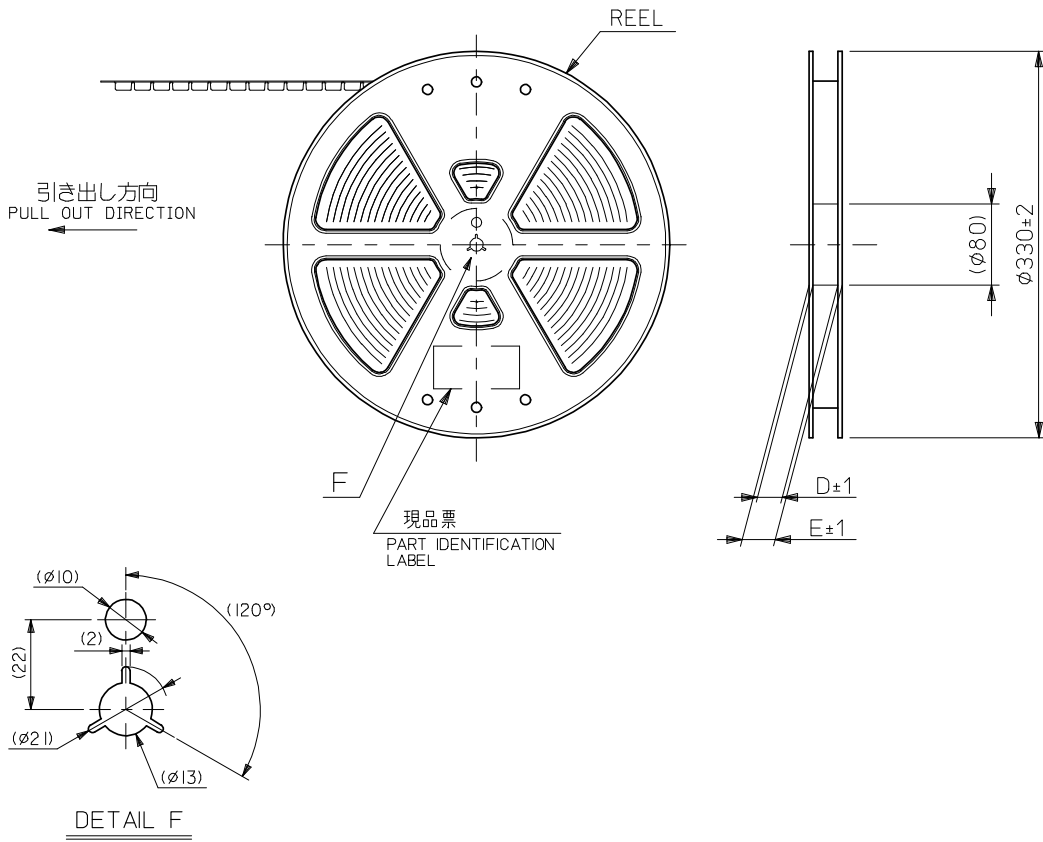
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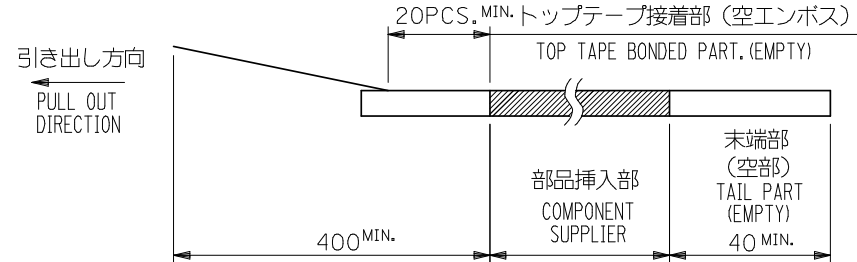
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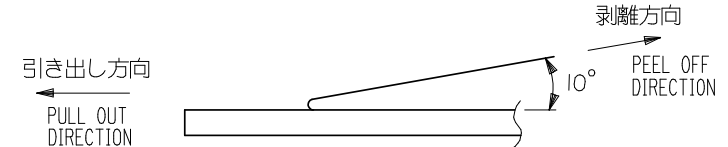


### NOTES

1. 梱包数量：1000個／リール  
NUMBER OF CONNECTORS：1000PCS/REEL
2. リードテープ長さ LEAD TAPE LENGTH



3. トップテープの剥離強度：0.1N ～ 1.3N(10gf ～ 130gf)  
(剥離方向は下図参照)  
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こと。)  
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.



4. 材料(MATERIAL)  
キャリアテープ(CARRIER TAPE)：ポリプロピレン(POLYPROPYLENE)  
トップテープ(TOPTAPE)：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. 本製品は 52975-\*\*\*92 の鉛フリー(部分金メッキ)品である。  
THIS PRODUCT IS LEAD FREE OF 52975-\*\*\*92  
(CONTACT GOLD PLATING).

|                                                                              |                                                       |                                                            |  |                                      |  |                                                                                                                                  |  |                        |  |                                                                                                                 |  |  |  |
|------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|--|--------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|--|--|
|                                                                              |                                                       | 52975-**63                                                 |  | MODEL NO.                            |  |                                                                                                                                  |  |                        |  |                                                                                                                 |  |  |  |
| REVISED<br>EC NO: J2009-0003<br>DRWN:MNABEI<br>CHKD:THARUYAMA<br>APPR:NUKITA | DESCRIPTION<br>2008/07/08<br>2008/07/09<br>2008/07/09 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION STYLE<br>MM ONLY           |  | SCALE<br>---                                                                                                                     |  | DESIGN UNITS<br>METRIC |  |  THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                              |                                                       | 10 UNDER ±0.2                                              |  | DRAWN BY DATE<br>MNABEI '04/08/16    |  | TITLE<br>0.5 FFC/FPC CONN NON-ZIF<br>HSG ASSY UPPER CONTACT<br>-LEAD FREE-                                                       |  |                        |  |                                                                                                                 |  |  |  |
|                                                                              |                                                       | 10 OVER 30 UNDER ±0.25                                     |  | CHECKED BY DATE<br>KTOJO '04/08/16   |  |                                                                                                                                  |  |                        |  |                                                                                                                 |  |  |  |
|                                                                              |                                                       | 30 OVER ±0.3                                               |  | APPROVED BY DATE<br>NUKITA '04/08/16 |  |                                                                                                                                  |  |                        |  |                                                                                                                 |  |  |  |
|                                                                              |                                                       | ANGULAR ±3 °                                               |  | MATERIAL NO.<br>SEE SHEET 2          |  | DOCUMENT NO.<br>SD-52975-018                                                                                                     |  |                        |  | SHEET NO.<br>1 OF 2                                                                                             |  |  |  |
|                                                                              |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | MOLEX MOLEX INCORPORATED             |  |                                                                                                                                  |  |                        |  |                                                                                                                 |  |  |  |
|                                                                              |                                                       |                                                            |  | SIZE<br>A3                           |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |  |                                                                                                                 |  |  |  |
|                                                                              |                                                       | B                                                          |  |                                      |  |                                                                                                                                  |  |                        |  |                                                                                                                 |  |  |  |

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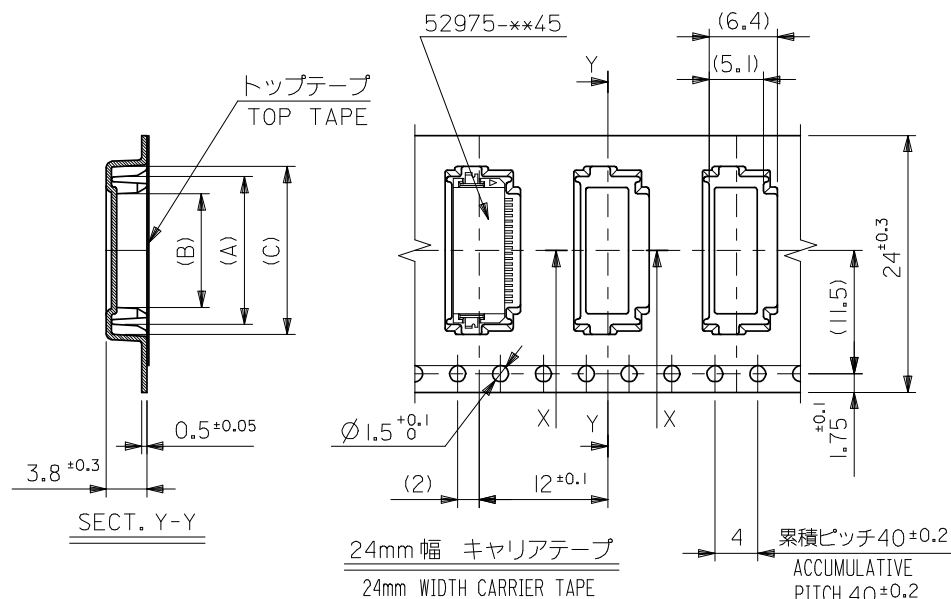
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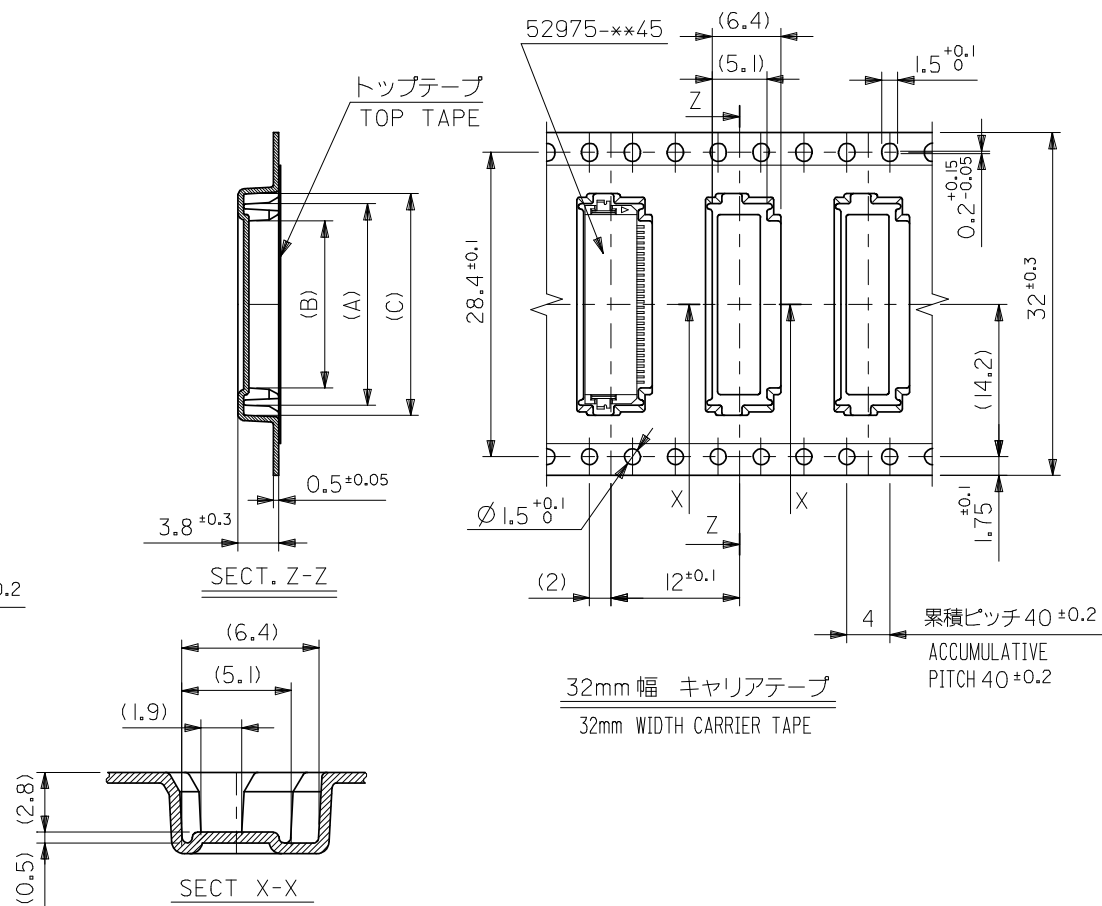
B

A

引き出し方向  
PULL OUT DIRECTION



引き出し方向  
PULL OUT DIRECTION



|                                |      |      |      |      |      |               |            |
|--------------------------------|------|------|------|------|------|---------------|------------|
| 32                             | 37.4 | 33.4 | 13.6 | 18.7 | 16.8 | 52975-2663    | 26         |
|                                |      |      | 12.6 | 17.7 | 15.8 | 52975-2463    | 24         |
| 24                             | 29.4 | 25.4 | 11.1 | 16.2 | 14.3 | 52975-2163    | 21         |
|                                |      |      | 10.1 | 15.2 | 13.3 | 52975-1963    | 19         |
|                                |      |      | 9.6  | 14.7 | 12.8 | 52975-1863    | 18         |
|                                |      |      | 9.1  | 14.2 | 12.3 | 52975-1763    | 17         |
|                                |      |      | 8.6  | 13.7 | 11.8 | 52975-1663    | 16         |
|                                |      |      | 8.1  | 13.2 | 11.3 | 52975-1563    | 15         |
|                                |      |      | 7.1  | 12.2 | 10.3 | 52975-1363    | 13         |
|                                |      |      | 6.6  | 11.7 | 9.8  | 52975-1263    | 12         |
|                                |      |      | 6.1  | 11.2 | 9.3  | 52975-1163    | 11         |
|                                |      |      | 5.6  | 10.7 | 8.8  | 52975-1063    | 10         |
|                                |      |      | 5.1  | 10.2 | 8.3  | 52975-0963    | 9          |
|                                |      |      | 4.6  | 9.7  | 7.8  | 52975-0863    | 8          |
|                                |      |      | 4.1  | 9.2  | 7.3  | 52975-0763    | 7          |
|                                |      |      | 3.6  | 8.7  | 6.8  | 52975-0663    | 6          |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | E    | D    | (C)  | (B)  | (A)  | MATERIAL. NO. | 極数<br>CKT. |

|                                                                                                                |             |                                                            |                                      |                            |                                                                            |                                                                                                                                  |                        |                           |  |
|----------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|--------------------------------------|----------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|
| REVISED<br>EC NO: J2009-0003<br>DRWN:MNABEI 2008/07/08<br>CHK'D:THARUYAMA 2008/07/09<br>APPR:NUKITA 2008/07/09 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                                      | DIMENSION STYLE<br>MM ONLY |                                                                            | SCALE<br>---                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |
|                                                                                                                |             | 10 UNDER ±0.2                                              | DRAWN BY DATE<br>MNABEI '04/08/16    |                            | TITLE<br>0.5 FFC/FPC CONN NON-ZIF<br>HSG ASSY UPPER CONTACT<br>-LEAD FREE- |                                                                                                                                  |                        |                           |  |
|                                                                                                                |             | 10 OVER 30 UNDER ±0.25                                     | CHECKED BY DATE<br>KTOJO '04/08/16   |                            |                                                                            |                                                                                                                                  |                        |                           |  |
|                                                                                                                |             | 30 OVER ±0.3                                               | APPROVED BY DATE<br>NUKITA '04/08/16 |                            | molex MOLEX INCORPORATED                                                   |                                                                                                                                  |                        |                           |  |
|                                                                                                                |             | ANGULAR ±3 °                                               | MATERIAL NO.<br>SEE TABLE            |                            |                                                                            |                                                                                                                                  |                        |                           |  |
|                                                                                                                | REV         | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                      |                            | SIZE<br>A3                                                                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |  |