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## 注記 NOTES

## I. 使用材料 : MATERIAL

ハウジング : 46ナイロン, UL94V-0  
46NYLONアクチュエータ : PPS, UL94V-0  
ACTUATORターミナル : リン青銅 (t=0.2)  
PHOS-BRO: 錫ビスマズメッキ 1.0マイクロメートル以上  
TIN-BISMUTH 1.0 MICROMETER MINIMUM: ニッケル下地 1.0マイクロメートル以上  
NICKEL (UNDER PLATING) 1.0 MICROMETER MINIMUM金具 : リン青銅 (t=0.2)  
FITTING NAIL PHOS-BRO: 錫メッキ 1.0マイクロメートル以上  
TIN 1.0 MICROMETER MINIMUM: ニッケル下地 1.0マイクロメートル以上  
NICKEL (UNDER PLATING) 1.0 MICROMETER MINIMUM2. 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る。  
IN THE PACKAGE, ACTUATOR OF PART NO.52435-\*\*-26 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 0.1 MAX. , 下方向 0.15 MAX. とする。  
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM **H**  
UPPER DIRECTION: 0.1 MAX. , LOWER DIRECTION: 0.15 MAX.△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.△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.7. 本製品は52435-\*\*-27の鉛フリー品です。  
THIS PRODUCT IS LEAD FREE OF 52435-\*\*-27.

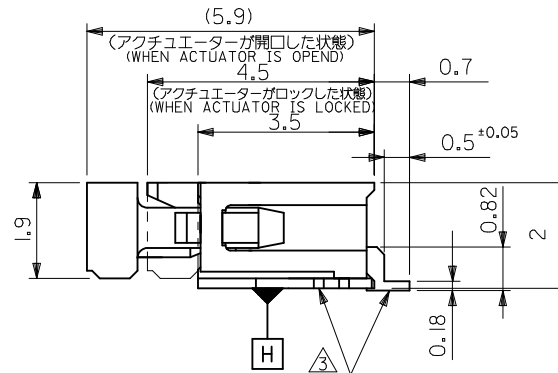
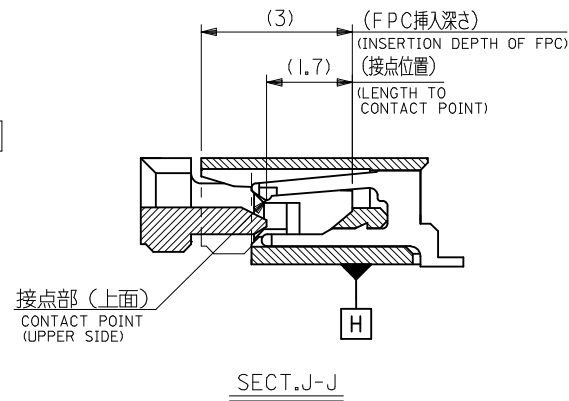
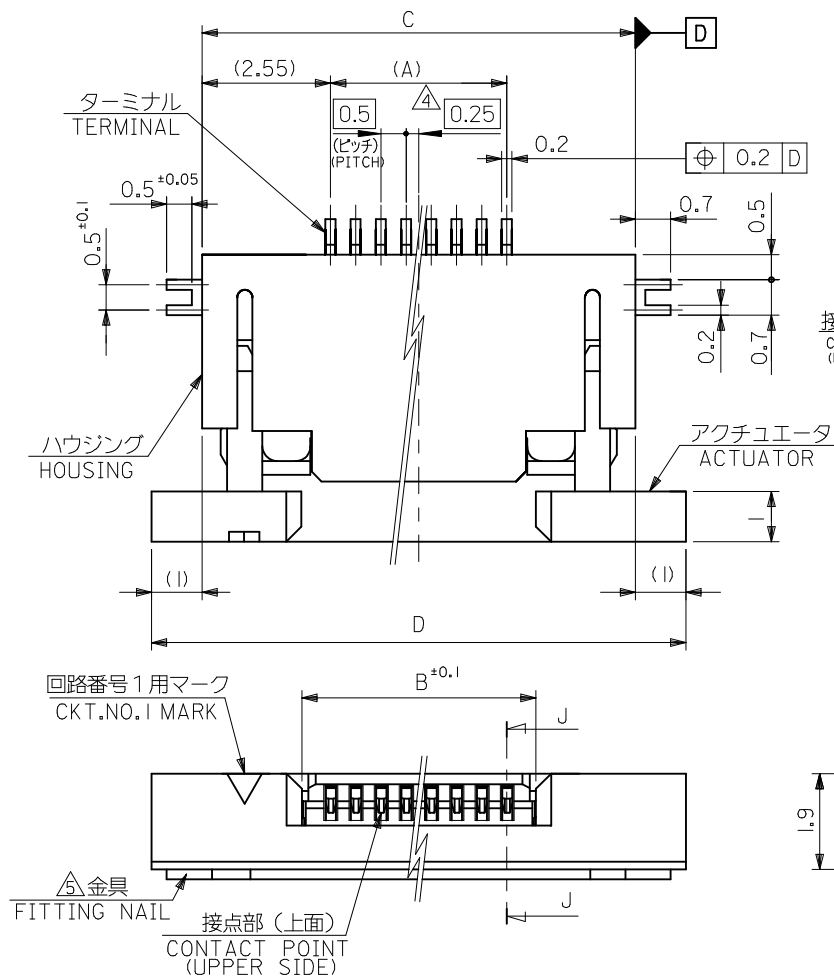
## 8. MATERIAL NO.

52435-\*\*-2\*

|   |         |
|---|---------|
| 1 | BLACK   |
| 6 | NATURAL |

52435-\*\*-7\*

|   |         |
|---|---------|
| 2 | NATURAL |
| 3 | BLACK   |



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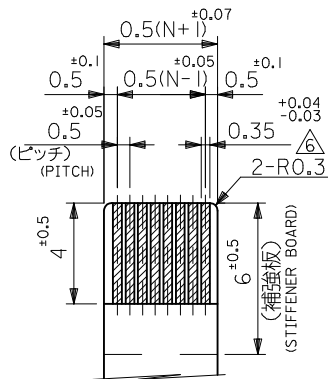
REVISED  
EC NO: J2014-0451  
DRWN: AYOSHI I 01 2013/09/10  
CHKD: YKOBAYASHI 02 2013/09/10  
APPR: YNOGAWA 2013/09/30

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |
|------------------------------------------------------------|-------|
| 10 UNDER                                                   | ±0.2  |
| 10 OVER 30 UNDER                                           | ±0.25 |
| 30 OVER                                                    | ±0.3  |
| ANGULAR                                                    | ±3 °  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |

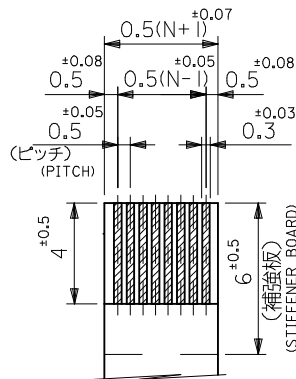
| DIMENSION STYLE<br>MM ONLY |            |
|----------------------------|------------|
| DRAWN BY                   | DATE       |
| YMAEDA                     | 2005/11/10 |
| CHECKED BY                 | DATE       |
| MTANAKA                    | 2005/11/10 |
| APPROVED BY                | DATE       |
| NUKITA                     | 2005/11/10 |
| MATERIAL NO.               |            |
| SEE TABLE                  |            |
| SIZE                       | A3         |

|                                                              |                           |
|--------------------------------------------------------------|---------------------------|
| 52435-**-2*                                                  | MODEL NO.                 |
| DESIGN UNITS<br>METRIC                                       | THIRD ANGLE<br>PROJECTION |
| 0.5 FPC CONN ZIF FOR SMT<br>R/A (TOP CONTACT)<br>-LEAD FREE- |                           |
| <b>molex</b>                                                 |                           |
| DOCUMENT NO.                                                 | SHEET NO.                 |
| SD-52435-019                                                 | 1 OF 2                    |

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



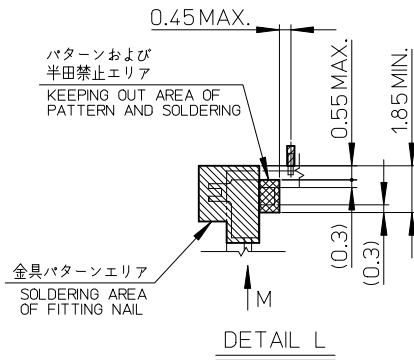
適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION.  
(仕上がり厚さ:  $0.3 \pm 0.05$ )  
(THICKNESS:  $0.3 \pm 0.05$ )



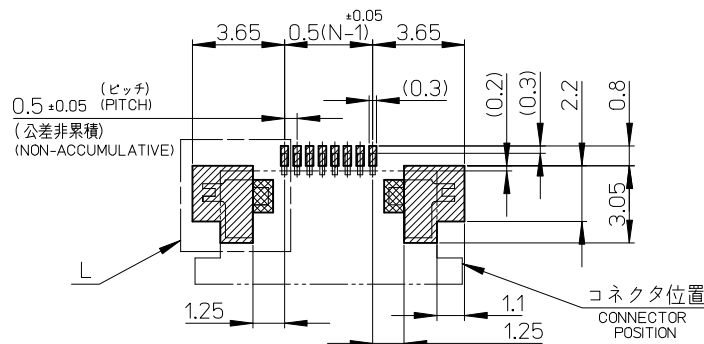
適合FFC推奨寸法  
APPLICABLE FFC  
RECOMMENDED DIMENSION.  
(仕上がり厚さ:  $0.3 \pm 0.05$ )  
(THICKNESS:  $0.3 \pm 0.05$ )

FPCについて:  
打抜き方向は導体側から補強板側を推奨致します。  
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。

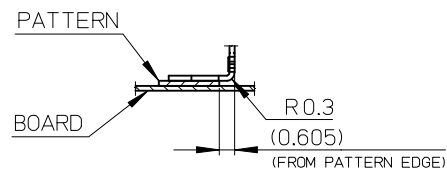
ABOUT FPC:  
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.  
RECOMMENDED MATERIAL :  
STIFFENER FILM : POLYIMIDE  
BONDING AGENT : THERMOSETTING BONDING AGENT



DETAIL L



参考基板レイアウト  
(マウント面)  
RECOMMENDED P.C. BOARD  
PATTERN DIMENSION (REF.)  
(MOUNTING SIDE)



VIEW M  
(DETAIL OF FITTING NAIL  
ON PATTERN)

|      |      |       |      |                                  |              |            |
|------|------|-------|------|----------------------------------|--------------|------------|
| 21.6 | 19.6 | 15.65 | 14.5 | 52435-3072                       | 52435-3026   | 30         |
| 21.1 | 19.1 | 15.15 | 14.0 | -2972                            | -2926        | 29         |
| 20.6 | 18.6 | 14.65 | 13.5 | -287*                            | -282*        | 28         |
| 20.1 | 18.1 | 14.15 | 13.0 | -2772                            | -2726        | 27         |
| 19.6 | 17.6 | 13.65 | 12.5 | -2672                            | -2626        | 26         |
| 19.1 | 17.1 | 13.15 | 12.0 | -2572                            | -2526        | 25         |
| 18.6 | 16.6 | 12.65 | 11.5 | -2472                            | -2426        | 24         |
| 18.1 | 16.1 | 12.15 | 11.0 | -2372                            | -2326        | 23         |
| 17.6 | 15.6 | 11.65 | 10.5 | -2272                            | -2226        | 22         |
| 17.1 | 15.1 | 11.15 | 10.0 | 52435-2172                       | 52435-2126   | 21         |
| D    | C    | B     | (A)  | EMBOSSD TAPE<br>ORDER No. オーダー番号 | MATERIAL NO. | 極数<br>EXT. |

|                                                                                                                        |                    |                                                            |       |                            |                    |                                                                                                                                  |                        |                           |        |  |
|------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|-------|----------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--------|--|
| REVISED<br>EC NO: J2014-0451<br>DRWN:AYOSHI I 01 2013/09/10<br>CHKD:KOBAYASHI 02 2013/09/10<br>APPR:YNOGAWA 2013/09/30 | DESCRIPTION<br>REV | 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>YMAEDA         | DATE<br>2005/11/10 | TITLE<br>0.5 FPC CONN ZIF FOR SMT<br>R/A (TOP CONTACT)<br>-LEAD FREE-                                                            |                        |                           |        |  |
|                                                                                                                        |                    | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY<br>MTANAKA      | DATE<br>2005/11/10 |                                                                                                                                  |                        |                           |        |  |
|                                                                                                                        |                    | 30 OVER                                                    | ±0.3  | APPROVED BY<br>NUKITA      | DATE<br>2005/11/10 | molex                                                                                                                            |                        |                           |        |  |
|                                                                                                                        |                    | ANGULAR ±3 °                                               |       | MATERIAL NO.               |                    |                                                                                                                                  |                        |                           |        |  |
|                                                                                                                        |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE CHART                  |                    | SD-52435-019                                                                                                                     |                        |                           | 2 OF 2 |  |
|                                                                                                                        |                    |                                                            |       | SIZE<br>A3                 |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |        |  |

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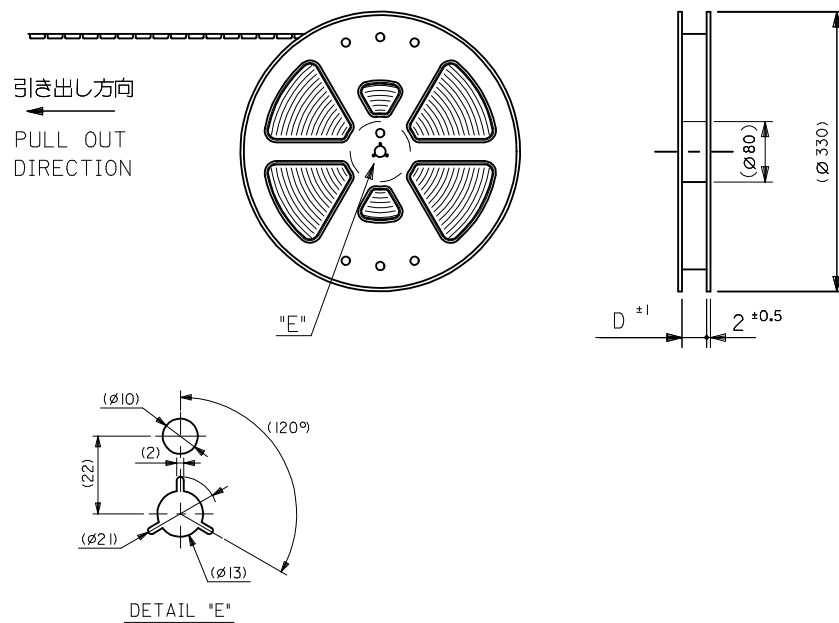
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#### 5. 材料 (MATERIAL)

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>  
 POLYSTYREN (PS) <RECYCLE MATERIAL CONTAINED>

#### 6. 本製品は52435-\*\*-91の鉛フリー品です。

THIS PRODUCT IS LEAD FREE OF 52435-\*\*-91.

#### 7. MATERIAL NO.

52435-\*\*-7\*

|   |         |
|---|---------|
| 2 | NATURAL |
| 3 | BLACK   |

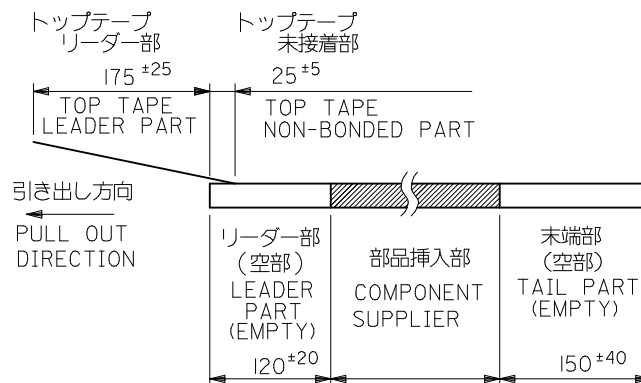
#### 注記 NOTES

1. 製品番号 52435-\*\*-26 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-52435-019 を参照下さい。

IN THE PACKAGE, ACTUATOR OF PART NO. 52435-\*\*-26 SHOULD BE LOCKED RE DETAILED DIMENSIONS, SEE SD-52435-019

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



|         |                   |                   |            |                     |            |               |            |             |                                                            |                                                                                                                                  |                            |                    |                                                                                              |                              |                           |  |
|---------|-------------------|-------------------|------------|---------------------|------------|---------------|------------|-------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|----------------------------------------------------------------------------------------------|------------------------------|---------------------------|--|
| REVISED | EC NO: J2014-0451 | DRWN: AYOSHI I 01 | 2013/09/10 | CHKD: YKOBAYASHI 02 | 2013/09/10 | APPR: YNOGAWA | 2013/09/30 | 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>YMAEDA         | DATE<br>2005/11/11 | TITLE<br>0.5 FPC CONN ZIF SMT R/A<br>WITH TAPE EMBSTP PKG<br>-LEAD FREE-<br><br><b>molex</b> | DOCUMENT NO.<br>SD-52435-020 | SHEET NO.<br>1 OF 3       |  |
|         |                   |                   |            |                     |            |               |            |             | 10 OVER 30 UNDER                                           | ± 0.25                                                                                                                           | CHECKED BY<br>MTANAKA      | DATE<br>2005/11/11 |                                                                                              |                              |                           |  |
|         |                   |                   |            |                     |            |               |            |             | 30 OVER                                                    | ± 0.3                                                                                                                            | APPROVED BY<br>NUKITA      | DATE<br>2005/11/11 |                                                                                              |                              |                           |  |
|         |                   |                   |            |                     |            |               |            |             | ANGULAR ±3 °                                               |                                                                                                                                  | MATERIAL NO.               |                    |                                                                                              |                              |                           |  |
|         |                   |                   |            |                     |            |               |            |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  | SEE CHART                  |                    |                                                                                              |                              |                           |  |
| C       | REV               |                   |            |                     |            |               |            |             | SIZE<br>A3                                                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                    |                                                                                              |                              |                           |  |

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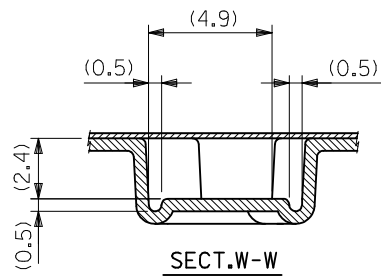
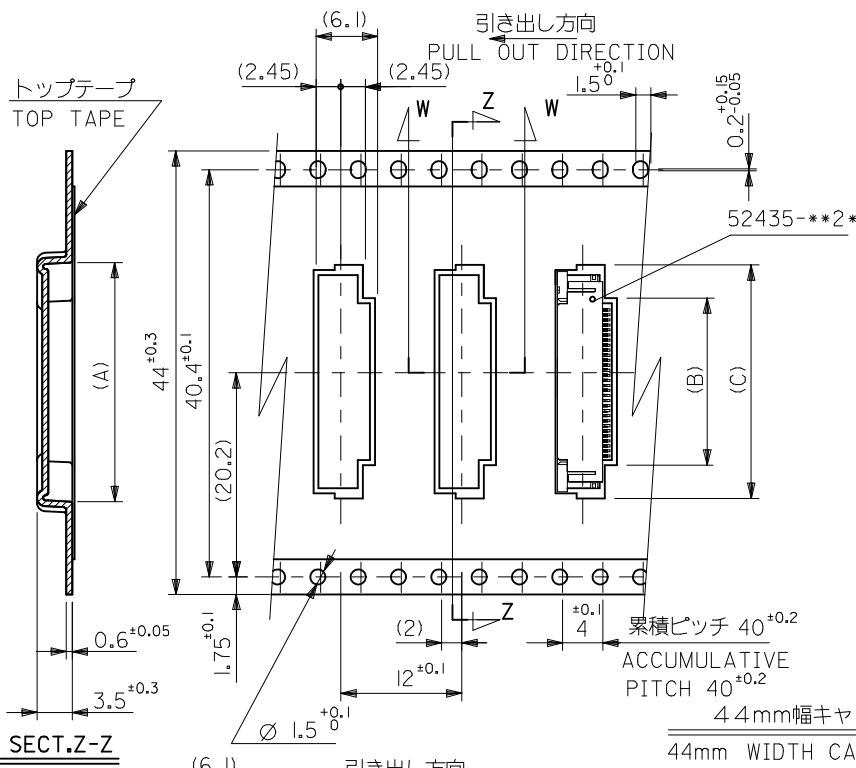
E

D

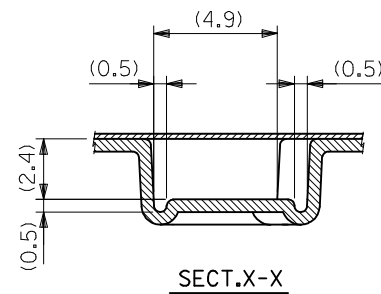
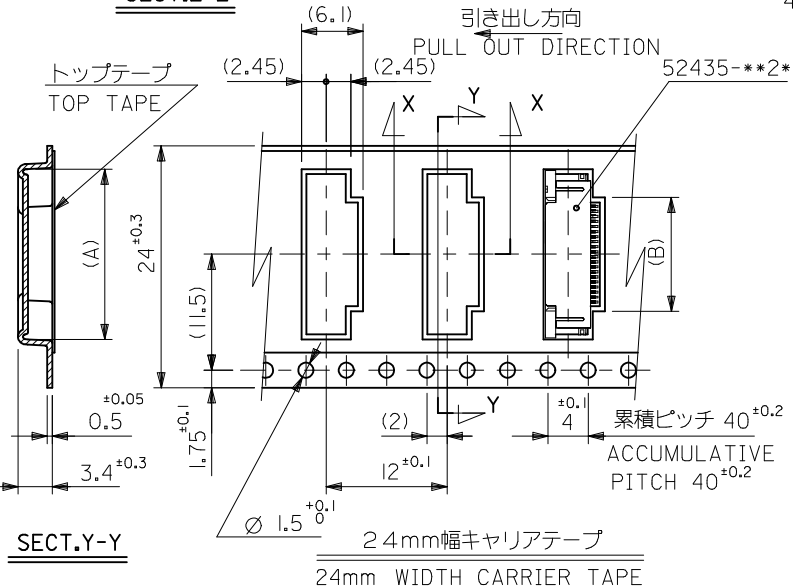
C

B

A



|                                |      |      |      |      |            |               |
|--------------------------------|------|------|------|------|------------|---------------|
| 44                             | 45.5 | 22.9 | 16.3 | 21.9 | 52435-3072 | 30            |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | D    | (C)  | (B)  | (A)  | ENG. NO.   | 極数<br>CIRCUIT |



|                                |      |      |      |            |               |
|--------------------------------|------|------|------|------------|---------------|
| 24                             | 25.5 | 11.8 | 17.4 | 52435-2172 | 21            |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | D    | (B)  | (A)  | ENG. NO.   | 極数<br>CIRCUIT |

|                                                                                                                            |                    |                                                            |       |                            |                    |                                                                                                                                  |                        |                           |  |  |
|----------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|-------|----------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2014-0451<br>DRWN: AYOSHI I 01 2013/09/10<br>CHKD: YKOBAYASHI 02 2013/09/10<br>APPR: YNOGAWA 2013/09/30 | DESCRIPTION<br>REV | 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>YMAEDA         | DATE<br>2005/11/11 | TITLE<br>0.5 FPC CONN ZIF SMT R/A<br>WITH TAPE EMBSTP PKG<br>-LEAD FREE-                                                         |                        |                           |  |  |
|                                                                                                                            |                    | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY<br>MTANAKA      | DATE<br>2005/11/11 | molex                                                                                                                            |                        |                           |  |  |
|                                                                                                                            |                    | 30 OVER                                                    | ±0.3  | APPROVED BY<br>NUKITA      | DATE<br>2005/11/11 |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                            |                    | ANGULAR ±3 °                                               |       | MATERIAL NO.               |                    | DOCUMENT NO.                                                                                                                     |                        | SHEET NO.                 |  |  |
|                                                                                                                            |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE CHART                  |                    | SD-52435-020                                                                                                                     |                        | 3 OF 3                    |  |  |
|                                                                                                                            |                    |                                                            |       | SIZE<br>A3                 |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |  |  |