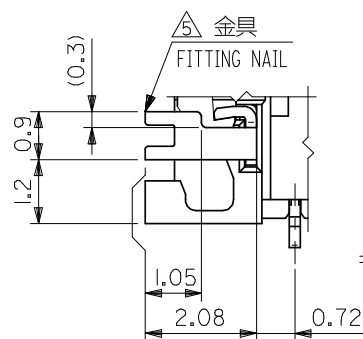
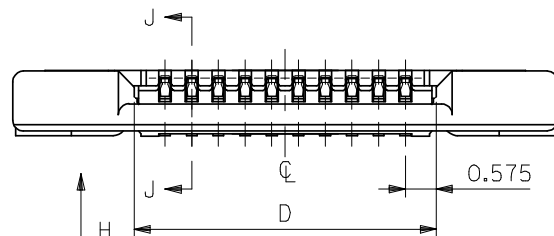
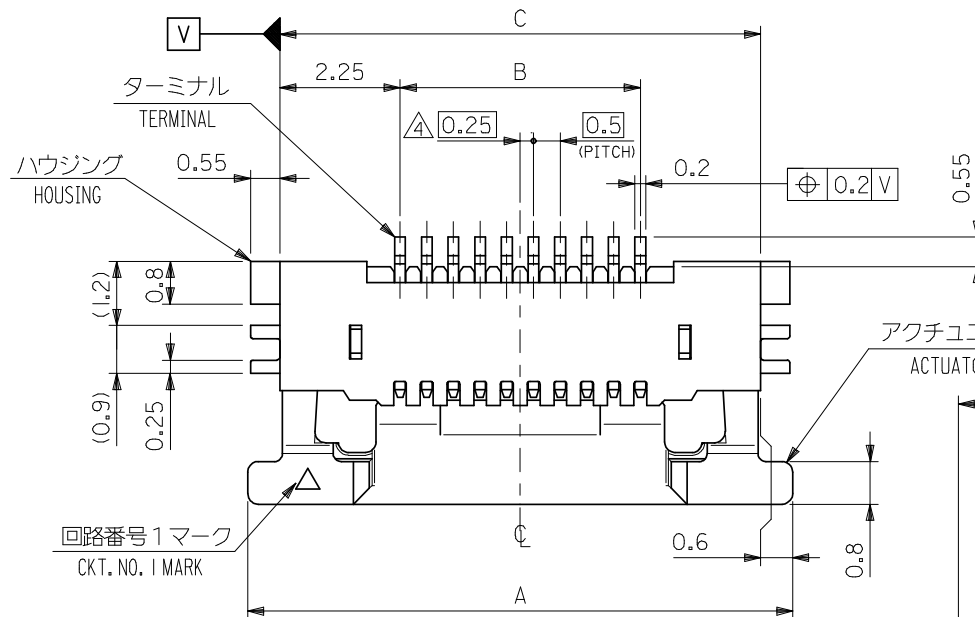
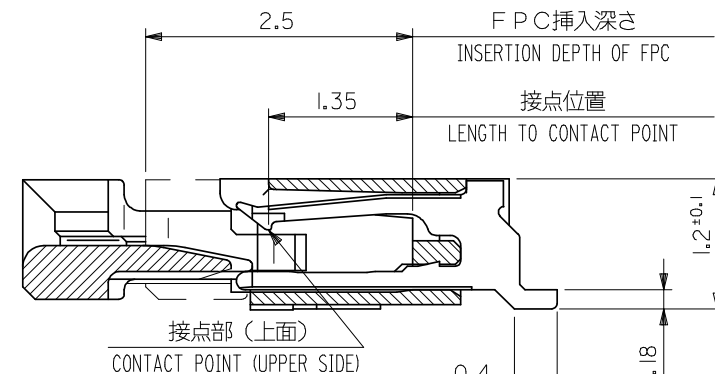
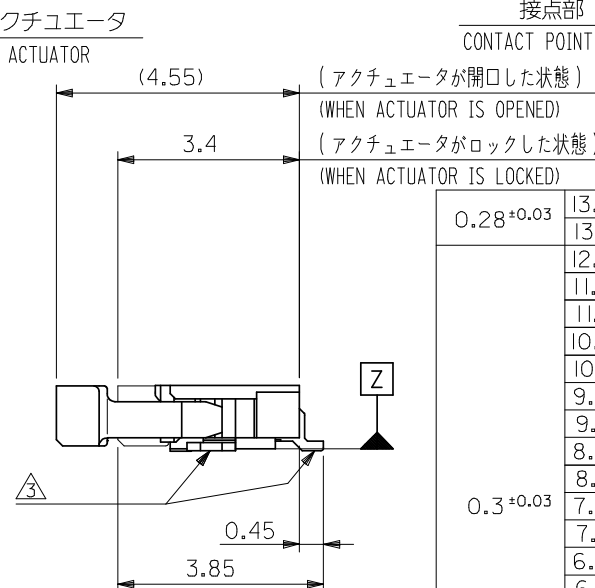




VIEW H



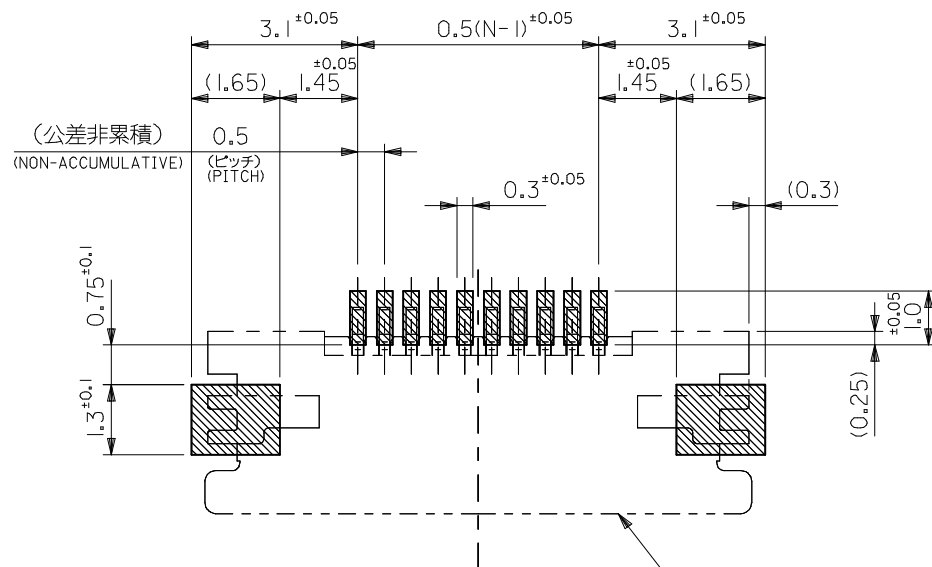
SECT. J-J  
SCALE 20:1



| TABLE 15. LOOKUP      |       |      |      |            |             |             |    |
|-----------------------|-------|------|------|------------|-------------|-------------|----|
| 0.28 <sup>+0.03</sup> | 13.65 | 17   | 12.5 | 18.2       | 54550-2694  | 54550-26 19 | 26 |
|                       | 13.15 | 16.5 | 12.0 | 17.7       | 54550-2594  | 54550-25 19 | 25 |
| 0.3 <sup>+0.03</sup>  | 12.65 | 16   | 11.5 | 17.2       | 54550-2494  | 54550-24 19 | 24 |
|                       | 11.65 | 15   | 10.5 | 16.2       | 54550-2294  | 54550-22 19 | 22 |
|                       | 11.15 | 14.5 | 10   | 15.7       | 54550-2194  | 54550-21 19 | 21 |
|                       | 10.65 | 14   | 9.5  | 15.2       | 54550-2094  | 54550-20 19 | 20 |
|                       | 10.15 | 13.5 | 9    | 14.7       | 54550-1994  | 54550-19 19 | 19 |
|                       | 9.65  | 13   | 8.5  | 14.2       | 54550-1894  | 54550-18 19 | 18 |
|                       | 9.15  | 12.5 | 8    | 13.7       | 54550-1794  | 54550-17 19 | 17 |
|                       | 8.65  | 12   | 7.5  | 13.2       | 54550-1694  | 54550-16 19 | 16 |
|                       | 8.15  | 11.5 | 7    | 12.7       | 54550-1594  | 54550-15 19 | 15 |
|                       | 7.65  | 11   | 6.5  | 12.2       | 54550-1494  | 54550-14 19 | 14 |
|                       | 7.15  | 10.5 | 6    | 11.7       | 54550-1394  | 54550-13 19 | 13 |
|                       | 6.65  | 10   | 5.5  | 11.2       | 54550-1294  | 54550-12 19 | 12 |
|                       | 6.15  | 9.5  | 5    | 10.7       | 54550-1194  | 54550-11 19 | 11 |
|                       | 5.65  | 9    | 4.5  | 10.2       | 54550-1094  | 54550-10 19 | 10 |
|                       | 5.15  | 8.5  | 4    | 9.7        | 54550-0994  | 54550-09 19 | 9  |
|                       | 4.65  | 8    | 3.5  | 9.2        | 54550-0894  | 54550-08 19 | 8  |
|                       | 4.15  | 7.5  | 3    | 8.7        | 54550-0794  | 54550-07 19 | 7  |
|                       | 3.65  | 7    | 2.5  | 8.2        | 54550-0694  | 54550-06 19 | 6  |
| 3.15                  | 6.5   | 2    | 7.7  | 54550-0594 | 54550-05 19 | 5           |    |
| 2.65                  | 6.0   | 1.5  | 7.2  | 54550-0494 | 54550-04 19 | 4           |    |

|                                                                                                                                         |   |                   |              |                                                                                                          |                                  |                        |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------|---|-------------------|--------------|----------------------------------------------------------------------------------------------------------|----------------------------------|------------------------|---------------------------|
| THICKNESS<br>OF FPC                                                                                                                     | D | C                 | B            | A                                                                                                        | EMBOSSED TAPE<br>ORDER No. オダー番号 | 製品番号                   | 極数                        |
| DIMENSION STYLE<br>MM ONLY                                                                                                              |   |                   |              |                                                                                                          | SCALE<br>---                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
| DRAWN BY<br>M. NINOMIYA                                                                                                                 |   | DATE<br>'03/12/22 |              | TITLE<br>0.5 FPC CONN ZIF HOUSING<br>ASSY SMT RA UPPER CONT<br>-LEAD FREE-                               |                                  |                        |                           |
| CHECKED BY<br>K. TOJO                                                                                                                   |   | DATE<br>'03/12/22 |              |  MOLEX INCORPORATED |                                  |                        |                           |
| APPROVED BY<br>M. SASAO                                                                                                                 |   | DATE<br>'03/12/22 |              |                                                                                                          |                                  |                        |                           |
| MATERIAL NO.                                                                                                                            |   |                   | DOCUMENT NO. |                                                                                                          |                                  |                        | SHEET NO.                 |
| SEE TABLE                                                                                                                               |   |                   | SD-54550-019 |                                                                                                          |                                  |                        | 1 OF 2                    |
| SIZE A THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                   |              |                                                                                                          |                                  |                        |                           |

|                 |  |                   |  |                                                            |  |           |  |
|-----------------|--|-------------------|--|------------------------------------------------------------|--|-----------|--|
| REVISED         |  | EC NO: J2008-4048 |  | 54550--**19                                                |  | MODEL NO. |  |
| DRAWN:MABEI     |  | 2008/06/13        |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  |           |  |
| CHK'D:THARUYAMA |  | 2008/06/16        |  | 10 UNDER ± 0.2                                             |  |           |  |
| APPR:NUKITA     |  | 2008/06/16        |  | 10 OVER 30 UNDER ± 0.2                                     |  |           |  |
|                 |  |                   |  | 30 OVER ± 0.3                                              |  |           |  |
|                 |  |                   |  | ANGULAR ± 3 °                                              |  |           |  |
|                 |  |                   |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |           |  |



参考基板レイアウト  
RECOMMENDED P.C.BOARD  
PATTERN DIMENSION (REF.)

(マウント面)  
(MOUNTING SIDE)

コネクタ位置  
CONNECTOR POSITION

注記 NOTES

### 1. 使用材料 MATERIAL

ハウジング : LCP, UL94V-0  
HOUSING

アクチュエータ : PPS, UL94V-0  
ACTUATOR

ターミナル : リン青銅 (t=0.2)、ニッケル下地錫ピスマスメッキ  
 TERMINAL PHOS-BRO,TIN-BISMUTH OVER NICKEL PLATED

金具 : リン青銅 (t=0.2)、ニッケル下地錫メッキ  
FITTING NAIL PHOS-BRO.TIN OVER NICKEL PLATED

2. 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.54550-\*\*-17 SHOULD BE LOCKED.

③ ソルダータ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 **Z** に対し上方向 0MAX.、下方向 0.15MAX. とし

相互のバラツキ量は0.1 MAX.とする。

MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM [Z

UPPER DIRECTION: 0 MAX. , LOWER DIRECTION: 0.15 MAX.

OFFSET BETWEEN UPPER AND LOWER 0.1 MAX.

△<sub>4</sub> 偶数極に適用。

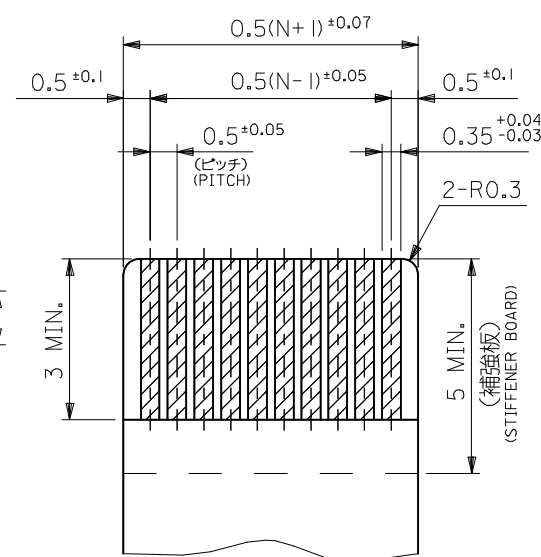
APPLY FOR EVEN CIRCUIT.

△パターンはくりしめ用金具

FITTING NAIL FOR PREVENTION OF PEELING  
OF P.C.B. PATTERN.

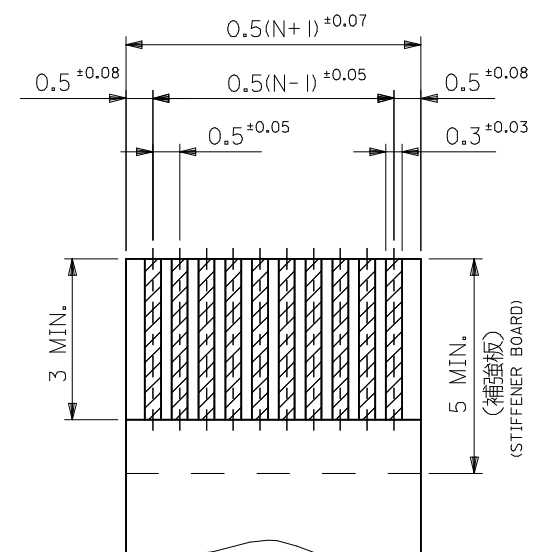
2. 本製品は 54550-\*\*17 の鉛フリー品である。

THIS PRODUCT IS LEAD FREE OF 54550-\*\*-17.



適合FPC推奨寸法

(仕上がり厚さ：表参照)  
(THICKNESS:SEE CHART)



適合F F C推奨寸法

(仕上がり厚さ：表参照)  
(THICKNESS:SEE CHART)

FPC/FFCについて：

打抜き方向は導体側から補強板側を推奨いたします。

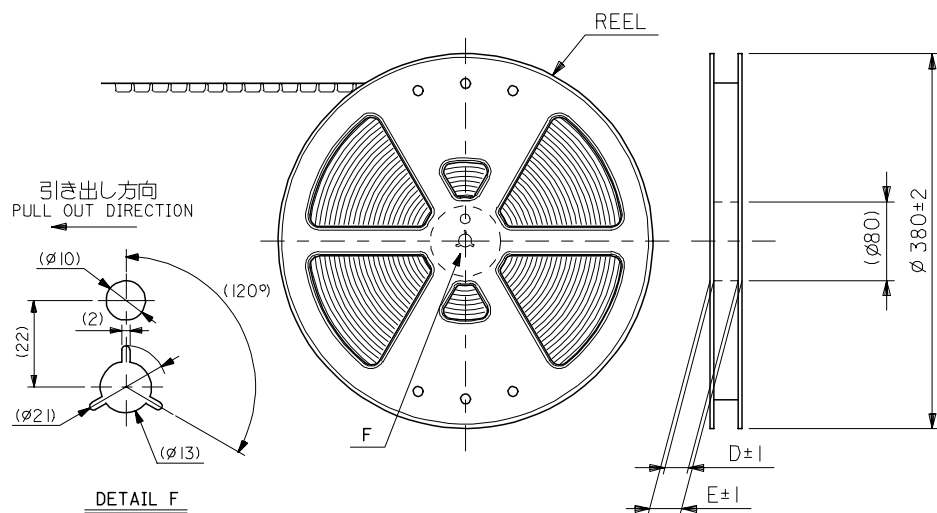
導体部については軟銅箔35マイクロメートルまたは50マイクロメートルを推奨いたします。

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

RECOMMENDED CONDUCTOR SPEC:

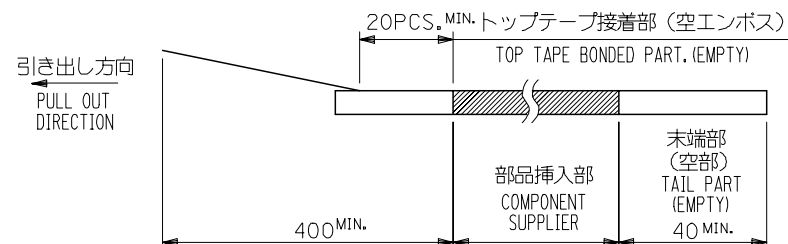
THICKNESS OF SOFT COPPER FOIL :35 MICROMETER or 50 MICROMETER

|                                                            |  |                                                                                                                                  |  |                    |  |                            |  |                         |  |                                                                            |  |                         |  |                           |  |
|------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|----------------------------|--|-------------------------|--|----------------------------------------------------------------------------|--|-------------------------|--|---------------------------|--|
| REVISED                                                    |  |                                                                                                                                  |  | EC NO.: J2008-4048 |  |                            |  | DRAWN: MABEI 2008/06/13 |  | CHK'D: THARUYANA 2008/06/16                                                |  | APPR: NUKITA 2008/06/16 |  |                           |  |
| DESCRIPTION                                                |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |  |                    |  | DIMENSION STYLE<br>MM ONLY |  |                         |  | SCALE<br>---                                                               |  | DESIGN UNITS<br>METRIC  |  | THIRD ANGLE<br>PROJECTION |  |
|                                                            |  | 10 UNDER                                                                                                                         |  | ± 0.2              |  | DRAWN BY<br>M. NINOMIYA    |  | DATE<br>'03/12/22       |  | TITLE<br>0.5 FPC CONN ZIF HOUSING<br>ASSY SMT RA UPPER CONT<br>-LEAD FREE- |  |                         |  |                           |  |
|                                                            |  | 10 OVER 30 UNDER                                                                                                                 |  | ± 0.25             |  | CHECKED BY<br>K. TOJO      |  | DATE<br>'03/12/22       |  |                                                                            |  |                         |  |                           |  |
|                                                            |  | 30 OVER                                                                                                                          |  | ± 0.3              |  | APPROVED BY<br>M. SASAO    |  | DATE<br>'03/12/22       |  |                                                                            |  |                         |  |                           |  |
|                                                            |  | ANGULAR ±3 °                                                                                                                     |  |                    |  | MATERIAL NO.               |  |                         |  | DOCUMENT NO.                                                               |  |                         |  | SHEET NO.                 |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |                                                                                                                                  |  | SEE SHEET 1        |  |                            |  | SD-54550-019            |  |                                                                            |  | 2 OF 2                  |  |                           |  |
| REV                                                        |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                    |  |                            |  |                         |  |                                                                            |  |                         |  |                           |  |

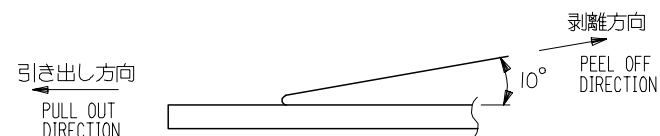


## NOTES

- 製品詳細寸法については図面 54550-\*\*-19 を参照下さい。  
RE DETAILED DIMENSION, SEE 54550-\*\*-19
- 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



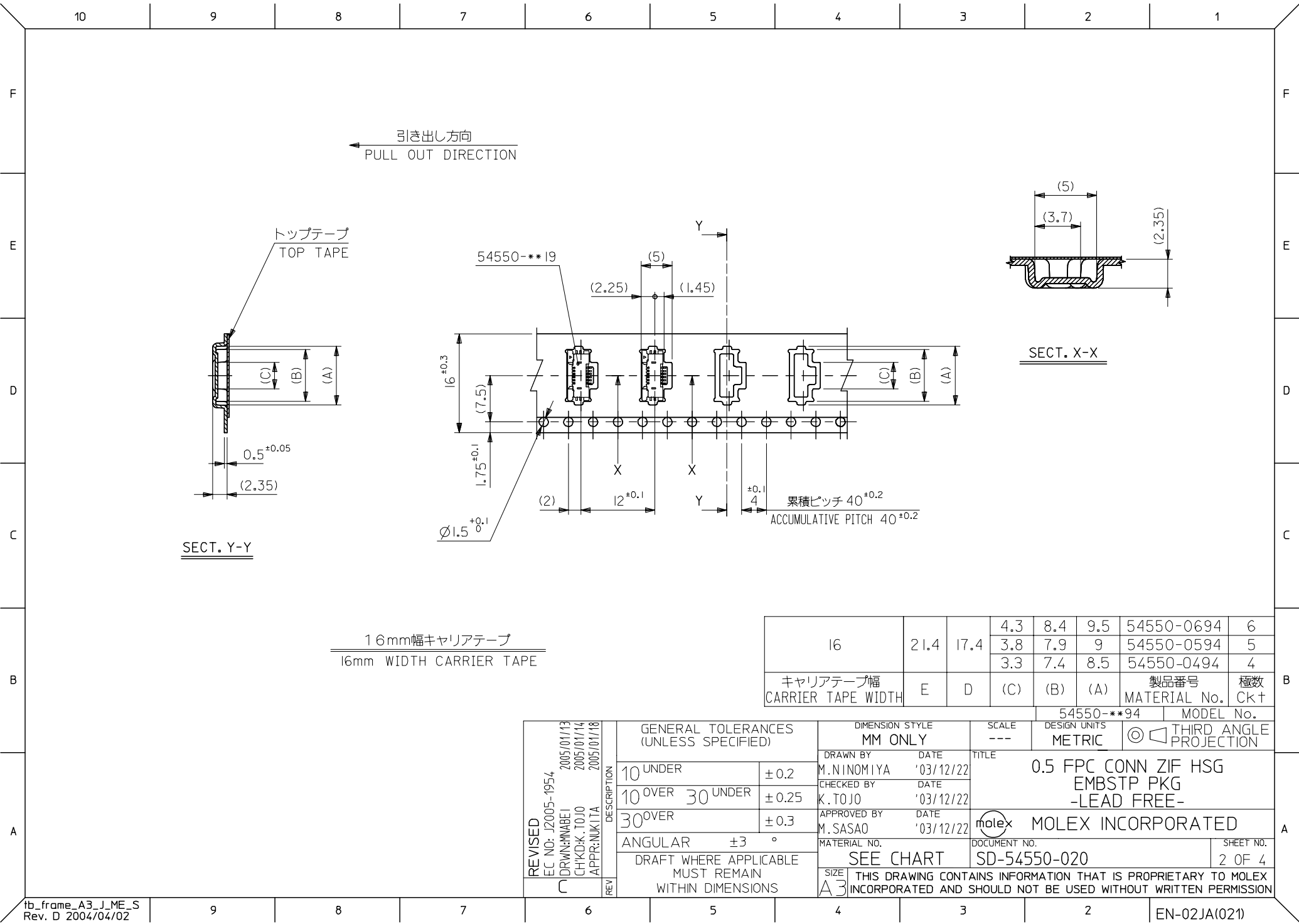
- トップテープの剥離強度：0.1N ～ 1.3N (10gf ～ 130gf)  
(剥離方向は下図参照)  
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)  
PEELING OFF FORCE OF TOP TAPE : 0.1N ～ 1.3N (10gf ～ 130gf)  
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.  
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



- 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>

- 本製品は 54550-\*\*-90 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 54550-\*\*-90.

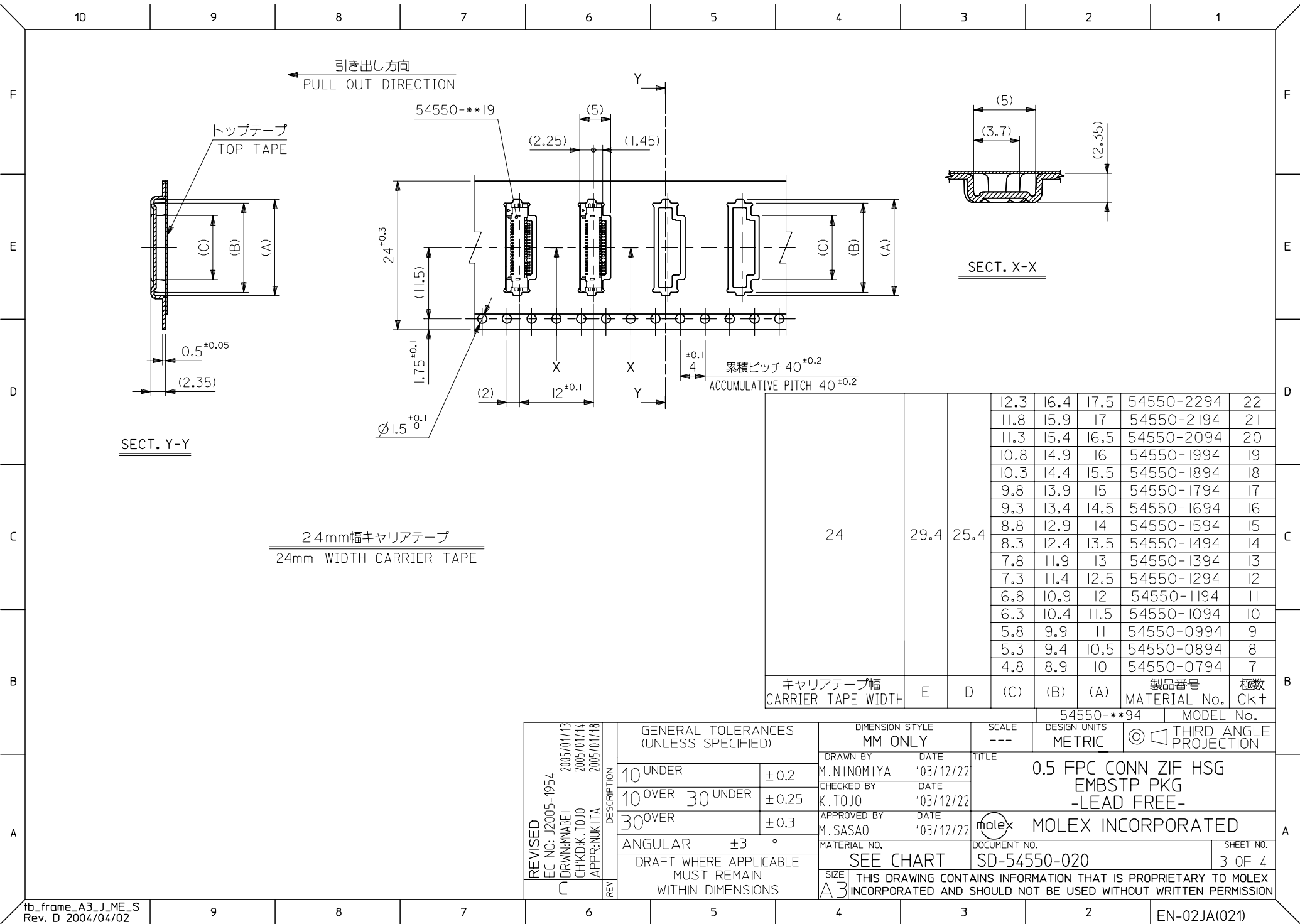
| 54550-**-94                                                                                                                      |       | MODEL No.                                         |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------|--|
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |       | DESIGN UNITS<br>METRIC                            |  |
| DIMENSION STYLE<br>MM ONLY                                                                                                       |       | THIRD ANGLE PROJECTION                            |  |
| 10 UNDER                                                                                                                         | ±0.2  | 0.5 FPC CONN ZIF HSG<br>EMBSTP PKG<br>-LEAD FREE- |  |
| 10 OVER 30 UNDER                                                                                                                 | ±0.25 |                                                   |  |
| 30 OVER                                                                                                                          | ±0.3  |                                                   |  |
| ANGULAR                                                                                                                          | ±3 °  | MOLEX INCORPORATED                                |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |       | SD-54550-020                                      |  |
| SEE CHART                                                                                                                        |       | SHEET NO.<br>1 OF 4                               |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                                                   |  |



16mm幅キャリアテープ  
16mm WIDTH CARRIER TAPE

|                                |      |      |     |     |     |                      |           |
|--------------------------------|------|------|-----|-----|-----|----------------------|-----------|
| 16                             | 21.4 | 17.4 | 4.3 | 8.4 | 9.5 | 54550-0694           | 6         |
|                                |      |      | 3.8 | 7.9 | 9   | 54550-0594           | 5         |
|                                |      |      | 3.3 | 7.4 | 8.5 | 54550-0494           | 4         |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | E    | D    | (C) | (B) | (A) | 製品番号<br>MATERIAL No. | 極数<br>CK+ |

|                                                                               |                                                       |                                                            |                                                                                                                                          |                            |                   |                                                            |                        |                           |  |  |
|-------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------|------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2005-1954<br>DRAWN: NABEI<br>CHKD: K. TOJO<br>APPR: NUKITA | DESCRIPTION<br>2005/01/13<br>2005/01/14<br>2005/01/18 | 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>M. NINOMIYA    | DATE<br>'03/12/22 | TITLE<br>0.5 FPC CONN ZIF HSG<br>EMBSTP PKG<br>-LEAD FREE- |                        |                           |  |  |
|                                                                               |                                                       | 10 OVER 30 UNDER                                           | ±0.25                                                                                                                                    | CHECKED BY<br>K. TOJO      | DATE<br>'03/12/22 |                                                            |                        |                           |  |  |
|                                                                               |                                                       | 30 OVER                                                    | ±0.3                                                                                                                                     | APPROVED BY<br>M. SASAO    | DATE<br>'03/12/22 | molex MOLEX INCORPORATED                                   |                        |                           |  |  |
|                                                                               |                                                       | ANGULAR                                                    | ±3 °                                                                                                                                     | MATERIAL NO.               |                   | DOCUMENT NO.                                               |                        | SHEET NO.                 |  |  |
|                                                                               |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                          | SEE CHART                  |                   | SD-54550-020                                               |                        | 2 OF 4                    |  |  |
|                                                                               | REV                                                   |                                                            | SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                   |                                                            |                        |                           |  |  |





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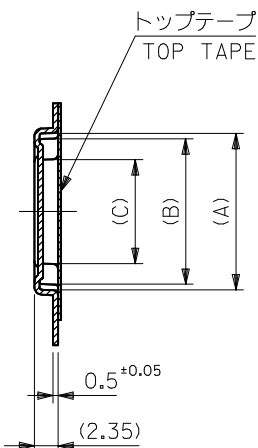
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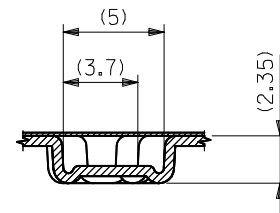
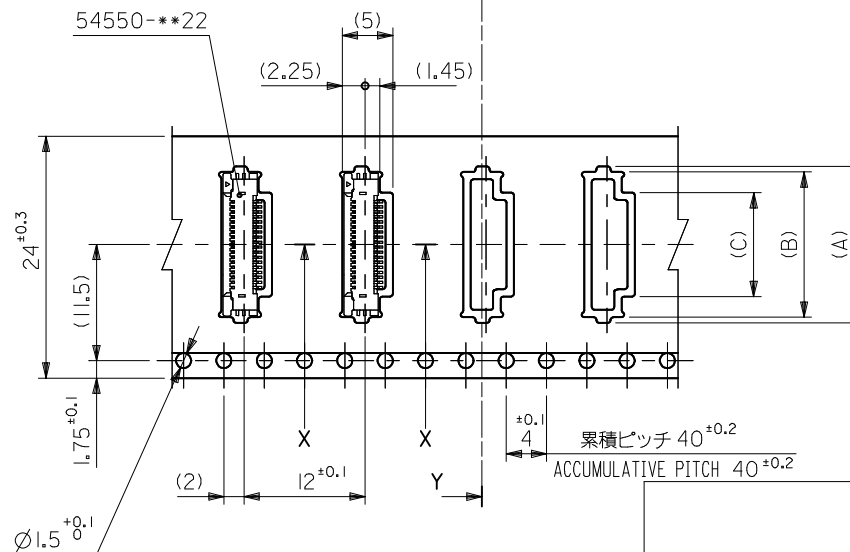
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引き出し方向  
PULL OUT DIRECTION

SECT. Y-Y



SECT. X-X

24mm幅キャリアテープ  
24mm WIDTH CARRIER TAPE

|                                |      |      |            |            |      |                      |           |
|--------------------------------|------|------|------------|------------|------|----------------------|-----------|
| 24                             | 29.4 | 25.4 | 12.3       | 16.4       | 17.5 | 54550-2233           | 22        |
|                                |      |      | 11.8       | 15.9       | 17   | 54550-2133           | 21        |
|                                |      |      | 11.3       | 15.4       | 16.5 | 54550-2033           | 20        |
|                                |      |      | 10.8       | 14.9       | 16   | 54550-1933           | 19        |
|                                |      |      | 10.3       | 14.4       | 15.5 | 54550-1833           | 18        |
|                                |      |      | 9.8        | 13.9       | 15   | 54550-1733           | 17        |
|                                |      |      | 9.3        | 13.4       | 14.5 | 54550-1633           | 16        |
|                                |      |      | 8.8        | 12.9       | 14   | 54550-1533           | 15        |
|                                |      |      | 8.3        | 12.4       | 13.5 | 54550-1433           | 14        |
|                                |      |      | 7.8        | 11.9       | 13   | 54550-1333           | 13        |
|                                |      |      | 7.3        | 11.4       | 12.5 | 54550-1233           | 12        |
|                                |      |      | 6.8        | 10.9       | 12   | 54550-1133           | 11        |
|                                |      |      | 6.3        | 10.4       | 11.5 | 54550-1033           | 10        |
|                                |      |      | 5.8        | 9.9        | 11   | 54550-0933           | 9         |
| 5.3                            | 9.4  | 10.5 | 54550-0833 | 8          |      |                      |           |
| 4.8                            | 8.9  | 10   | 54550-0733 | 7          |      |                      |           |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | E    | D    | (C)        | (B)        | (A)  | 製品番号<br>MATERIAL No. | 極数<br>Ckt |
|                                |      |      |            | 54550-**33 |      | MODEL No.            |           |

|                                                                                                                      |             |                                                            |        |                                                                                                                                  |                    |                                                                                                 |                        |                                                                                                                 |                              |
|----------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|
| RELEASED<br>EC NO: J2013-1014<br>DRWN: NKONDO 2012/09/13<br>CHKD: TAKAHASHI 2012/09/13<br>APPR: KMORIKAWA 2013/03/15 | 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>NKONDO                                                                                                               | DATE<br>2012/09/13 | TITLE<br>EMBOSS TAPE PACKAGED FOR<br>0.5MM FPC CONN ZIF R/A<br>HOUSING ASSY<br><br><b>molex</b> |                        |                                                                                                                 |                              |
|                                                                                                                      |             | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>TAKAHASHI                                                                                                          | DATE<br>2012/09/13 |                                                                                                 |                        |                                                                                                                 |                              |
|                                                                                                                      |             | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>KMORIKAWA                                                                                                         | DATE<br>2013/03/15 |                                                                                                 |                        |                                                                                                                 |                              |
|                                                                                                                      |             | ANGULAR ±3 °                                               |        | MATERIAL NO.<br>SEE CHART                                                                                                        |                    |                                                                                                 |                        |                                                                                                                 | DOCUMENT NO.<br>SD-54550-076 |
|                                                                                                                      | REV         | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                                                 |                        |                                                                                                                 |                              |
|                                                                                                                      |             |                                                            |        |                                                                                                                                  |                    |                                                                                                 |                        |                                                                                                                 |                              |

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