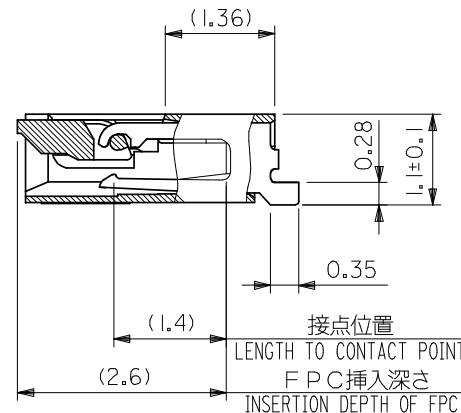
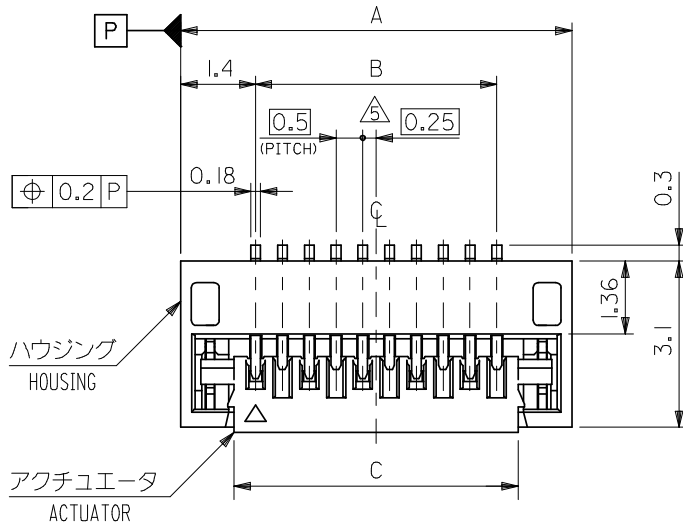
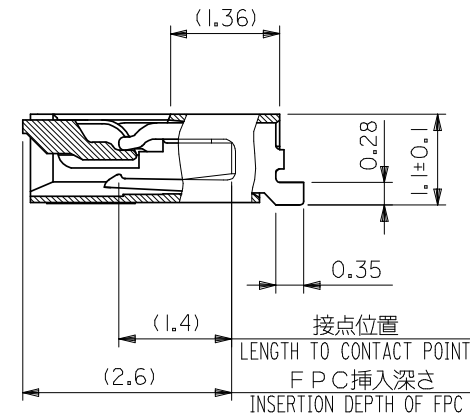
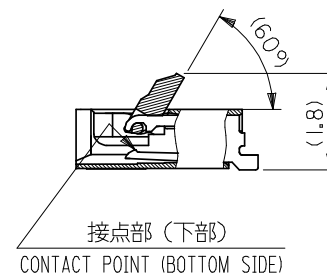
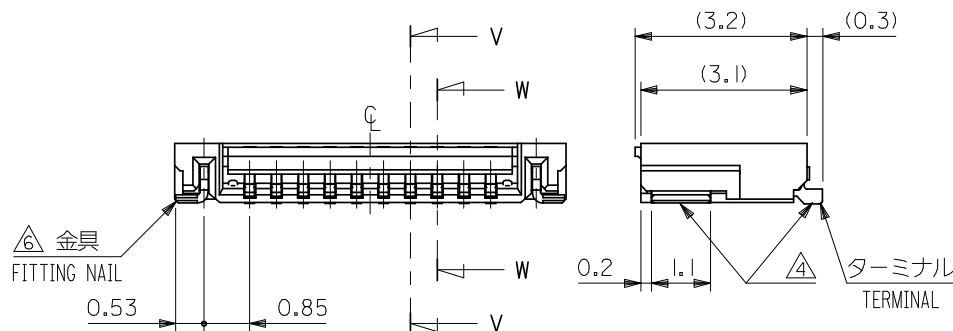




断面 V-V  
SECT. V-V  
(Scale 15:1)  
奇数極  
(ODD CIRCUIT)



断面 W-W  
SECT. W-W  
(Scale 15:1)  
偶数極  
(EVEN CIRCUIT)



接点部 (下部)  
CONTACT POINT (BOTTOM SIDE)  
(アクチュエータが開いた状態)  
(WHEN ACTUATOR IS OPENED)

|     |     |      |                  |              |         |
|-----|-----|------|------------------|--------------|---------|
| 9.3 | 8.5 | 11.3 | 51441-1871       | 51441-1829   | 18      |
| 8.8 | 8.0 | 10.8 | 51441-1771       | 51441-1729   | 17      |
| 8.3 | 7.5 | 10.3 | 51441-1671       | 51441-1629   | 16      |
| 6.3 | 5.5 | 8.3  | 51441-1271       | 51441-1229   | 12      |
| 5.8 | 5.0 | 7.8  | 51441-1171       | 51441-1129   | 11      |
| 5.3 | 4.5 | 7.3  | 51441-1071       | 51441-1029   | 10      |
| 4.8 | 4.0 | 6.8  | 51441-0971       | 51441-0929   | 9       |
| 4.3 | 3.5 | 6.3  | 51441-0871       | 51441-0829   | 8       |
| 3.8 | 3.0 | 5.8  | 51441-0771       | 51441-0729   | 7       |
| C   | B   | A    | EMBOSSED TAPE    | 製品番号         | 極数      |
|     |     |      | ORDER No. オーダー番号 | MATERIAL No. | CIRCUIT |

|                                                                             |             |                                                                                                                                  |              |                            |                    |                                                                                      |                        |                           |  |  |
|-----------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------|--------------------|--------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2008-4048<br>DRWN:NABEI<br>CHKD:THARUYAMA<br>APPR:NUKITA | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |              | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>10:1                                                                        | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                             |             | 10 UNDER                                                                                                                         | ±0.2         | DRAWN BY<br>M.NAGATA       | DATE<br>2004/03/23 | TITLE<br>0.5 FPC CONN. (E/O)<br>HSG ASSY BTM CONT(H=1.1)<br>GOLD PLATING -LEAD FREE- |                        |                           |  |  |
|                                                                             |             | 10 OVER 30 UNDER                                                                                                                 | ±0.25        | CHECKED BY<br>K.TOJO       | DATE<br>2004/03/23 |                                                                                      |                        |                           |  |  |
|                                                                             |             | 30 OVER                                                                                                                          | ±0.3         | APPROVED BY<br>M.SASAO     | DATE<br>2004/03/23 | molex MOLEX INCORPORATED                                                             |                        |                           |  |  |
|                                                                             |             | ANGULAR ±3 °                                                                                                                     | MATERIAL NO. |                            | DOCUMENT NO.       |                                                                                      |                        |                           |  |  |
|                                                                             |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |              | SEE TABLE                  |                    | SD-51441-009                                                                         |                        | 1 OF 2                    |  |  |
|                                                                             | REV         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                            |                    |                                                                                      |                        |                           |  |  |

F

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C

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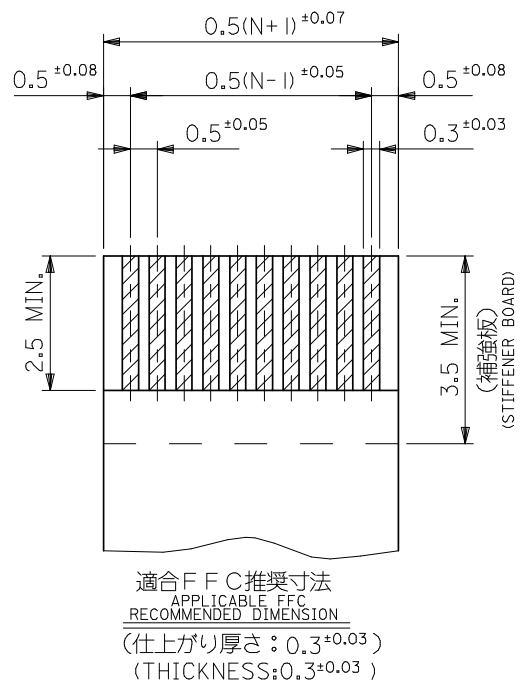
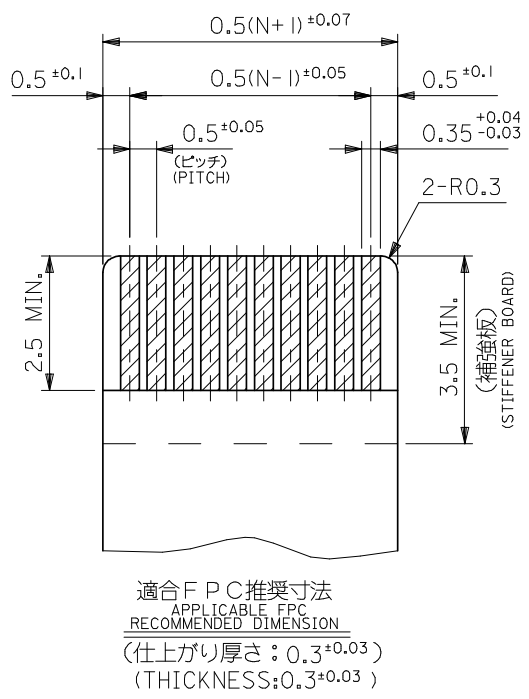
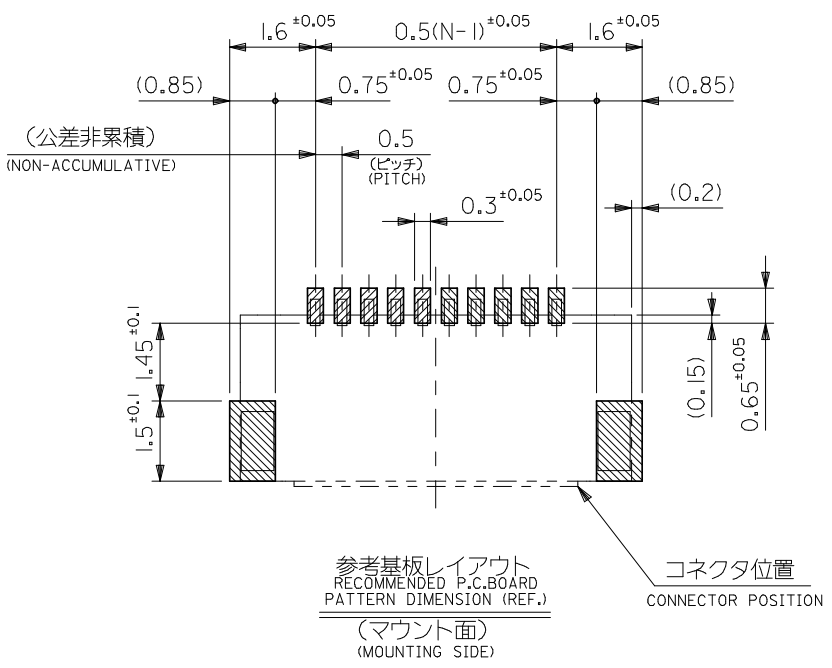
E

D

C

B

A



注記 NOTES

1. 使用材料 MATERIAL

- ハウジング : 液晶ポリマー ガラス充填、UL 94V-0 (ベージュ)  
HOUSING LIQUID CRYSTAL POLYMER GLASS FILLED, UL94V-0(BEIGE)
- アクチュエータ : ポリフェニレンサルファイド ガラス充填、UL 94V-0 (黒)  
ACTUATOR POLYPHENYLENE SULFIDE GLASS FILLED, UL94V-0(BLACK)
- ターミナル : リン青銅 (t=0.18)  
TERMINAL PHOSPOR BRONZE
- 金具 : リン青銅 (t=0.15)  
FITTING NAIL PHOSPOR BRONZE

2. メッキ仕様 PLATING

- ターミナル : ニッケル下地金メッキ  
TERMINAL GOLD OVER NICKEL PLATING
- 金具 : ニッケル下地金メッキ  
FITTING NAIL TIN OVER NICKEL PLATING

- 3. エンボステープ梱包時は、アクチュエータが閉じた状態とする。  
IN THE PACKAGE, ACTUATOR OF PART NO.51441-\*\*11 SHOULD BE CLOSED.
- △ソルダータール及び金具の平坦度は、0.1以下。  
SOLDER TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM.
- △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 PCB PATTERN.
- 7. 本製品は51441-\*\*21の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 51441-\*\*21

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。  
ABOUT FPC/FFC  
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.  
RECOMMENDED CONDUCTOR SPEC :  
THICKNESS OF SOFT COPPER FOIL : 35 MICROMETER OR 50 MICROMETER

FPCについて:

補強フィルム材質はポリイミドを推奨します。  
接着剤は熱硬化接着剤を推奨します。  
ABOUT FPC  
RECOMMENDED MATERIAL :  
STIFFENER FILM : POLYIMIDE  
BONDING AGENT : THERMOSETTING BONDING AGENT

|                                                                                                                  |                    |                                                            |  |                                         |  |                                                                                                                                  |                        |                           |  |  |
|------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|--|-----------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2008-4048<br>DRAWN: NABEI 2008/06/13<br>CHKD: THARUYAMA 2008/06/16<br>APPR: NUKITA 2008/06/16 | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION STYLE<br>MM ONLY              |  | 51441-**-29                                                                                                                      |                        | MODEL NO.                 |  |  |
|                                                                                                                  |                    |                                                            |  |                                         |  | SCALE<br>10:1                                                                                                                    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                  |                    | 10 UNDER ±0.2                                              |  | DRAWN BY DATE<br>M. NAGATA 2004/03/23   |  | TITLE<br>0.5 FPC CONN. (E/O)<br>HSG ASSY BTM CONT(H=1.1)<br>GOLD PLATING -LEAD FREE-                                             |                        |                           |  |  |
|                                                                                                                  |                    | 10 OVER 30 UNDER ±0.25                                     |  | CHECKED BY DATE<br>K. TOJO 2004/03/23   |  |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                  |                    | 30 OVER ±0.3                                               |  | APPROVED BY DATE<br>M. SASAO 2004/03/23 |  | MOLEX MOLEX INCORPORATED                                                                                                         |                        |                           |  |  |
|                                                                                                                  |                    | ANGULAR ±3 °                                               |  | MATERIAL NO.<br>SEE SHEET 1             |  |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                  |                    | 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 |                        |                           |  |  |
|                                                                                                                  |                    |                                                            |  | SHEET NO.<br>2 OF 2                     |  |                                                                                                                                  |                        |                           |  |  |

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DWG. NO.  
SD-51441-010

F

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B

DO NOT SCALE DRAWING

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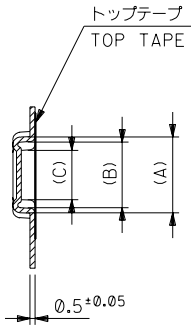
E

D

C

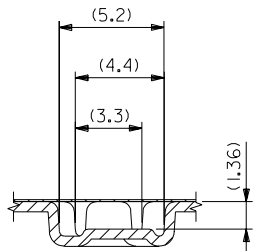
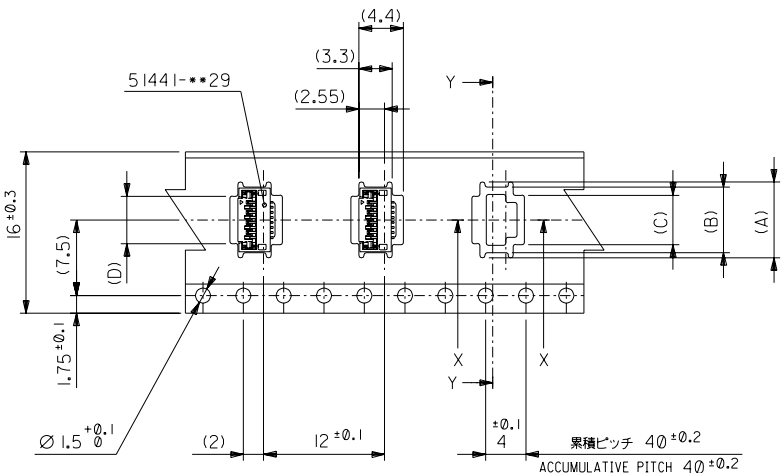
B

SD-51441-010.S00



SECT. Y-Y

引き出し方向  
PULL OUT DIRECTION



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

|                                                                                                                                |      |                                                                      |                                                                                       |              |                                                           |     |              |                       |
|--------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------|-----|--------------|-----------------------|
| 16                                                                                                                             | 21.4 | 17.4                                                                 | 4.7                                                                                   | 4.89         | 6.5                                                       | 7.5 | 51441-0871   | 8                     |
| キャリアテープ幅<br>CARRIER TAPE WIDTH                                                                                                 | G    | E                                                                    | 4.2                                                                                   | 4.39         | 6.0                                                       | 7.0 | 51441-0771   | 7                     |
| 51441-**-71                                                                                                                    |      |                                                                      | (D)                                                                                   | (C)          | (B)                                                       | (A) | MATERIAL NO. | 種数<br>CKT.            |
| MODEL No.                                                                                                                      |      |                                                                      | DIMENSIONS:                                                                           |              |                                                           |     | SHT          | REV                   |
| SCALE                                                                                                                          |      | DESIGN UNITS                                                         | THIRD ANGLE<br>PROJECTION                                                             |              | mm INCH                                                   |     | mm ONLY      | REVISE ON<br>CAD ONLY |
| — # —                                                                                                                          |      | <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH |  |              | <input type="checkbox"/> mm <input type="checkbox"/> INCH |     |              |                       |
| DRAWN BY & DATE                                                                                                                |      |                                                                      | TITLE:                                                                                |              |                                                           |     |              |                       |
| M.NAGATA '04/03/23                                                                                                             |      |                                                                      | Embstp Pkg FOR                                                                        |              |                                                           |     |              |                       |
| CHECKED BY & DATE                                                                                                              |      |                                                                      | 0.5 FPC Conn (E/O) Btm Cont                                                           |              |                                                           |     |              |                       |
| K.TOJO '04/03/23                                                                                                               |      |                                                                      | GOLD PLATING (Hgt=1.1mm) -LEAD FREE-                                                  |              |                                                           |     |              |                       |
| APPROVED BY & DATE                                                                                                             |      |                                                                      | MOLEX INCORPORATED                                                                    |              |                                                           |     |              |                       |
| M.SASAO '04/03/23                                                                                                              |      |                                                                      |  |              |                                                           |     |              |                       |
| CAD FILENAME                                                                                                                   |      |                                                                      | MATERIAL NO.                                                                          | DRAWING NO.  |                                                           |     | SHEET NO.    |                       |
| SD-51441-010.S02                                                                                                               |      |                                                                      | SEE CHART                                                                             | SD-51441-010 |                                                           |     | 2 OF 3       |                       |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |      |                                                                      |                                                                                       |              |                                                           |     |              | SIZE<br>B             |

注記参照  
SEE NOTES

|                      |       |
|----------------------|-------|
| WIRE RANGE<br>適用電線範囲 | — # — |
| INS. RANGE<br>被覆外径   | — # — |

REV  
0

RELEASED '04/03/23  
EC NO. J2004-3278  
DRWN: M.NAGATA  
CHK: K.TOJO  
APPR: M.SASAO

|                                  |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: |
|                                  |                                  |                                  |                                  |

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EN-02J(097) MXJ-54

DWG. NO.  
SD-51441-010

F

D

V

C

B

DO NOT SCALE DRAWING

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F

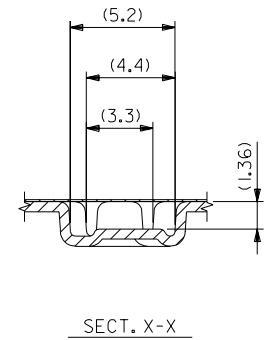
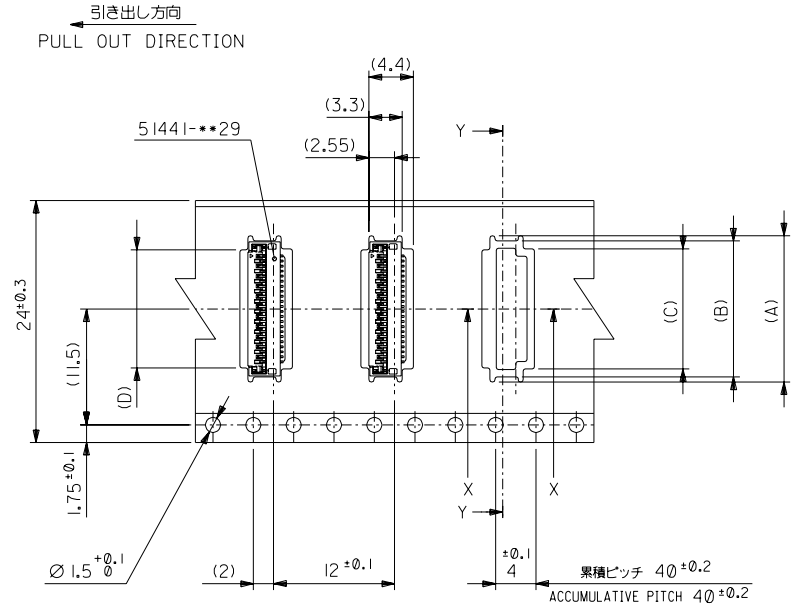
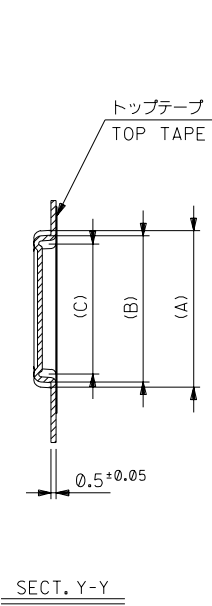
E

D

C

B

SD-51441-010.S03



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

|                                |      |      |     |      |      |      |              |            |
|--------------------------------|------|------|-----|------|------|------|--------------|------------|
| 24                             | 29.4 | 25.4 | 9.7 | 9.89 | 11.5 | 12.5 | 51441-1871   | 18         |
|                                |      |      | 9.2 | 9.39 | 11.0 | 12.0 | 51441-1771   | 17         |
|                                |      |      | 8.7 | 8.89 | 10.5 | 11.5 | 51441-1671   | 16         |
|                                |      |      | 6.7 | 6.89 | 8.5  | 9.5  | 51441-1271   | 12         |
|                                |      |      | 6.2 | 6.39 | 8.0  | 9.0  | 51441-1171   | 11         |
|                                |      |      | 5.7 | 5.89 | 7.5  | 8.5  | 51441-1071   | 10         |
|                                |      |      | 5.2 | 5.39 | 7.0  | 8.0  | 51441-0971   | 9          |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | G    | E    | (D) | (C)  | (B)  | (A)  | MATERIAL NO. | 種数<br>CKT. |

|                                  |                                  |                                  |                                  |                                                                                          |             |                                         |                                                                                                                                |                                         |                                                                                      |                                                                                                                 |                                                                                              |                                     |                                                |                       |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------------------------------------------------------------------------------------------|-------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------|-----------------------|
| EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | RELEASED 04/03/23<br>EC NO. J2004-3278<br>DRWN: M.NAGATA<br>CHK: K.TOJO<br>APPR: M.SASAO | DESCRIPTION | MATERIAL<br>材料<br><br>注記参照<br>SEE NOTES | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)<br>一般公差                                                                              | SCALE<br>—#—                            | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH |  THIRD ANGLE<br>PROJECTION | <input type="checkbox"/> mm<br>INCH                                                          | <input type="checkbox"/> INCH<br>mm | <input checked="" type="checkbox"/> mm<br>ONLY | REVISE ON<br>CAD ONLY |
|                                  |                                  |                                  |                                  |                                                                                          |             | 10 UNDER<br>未満                          | ±0.2                                                                                                                           | DRAWN BY & DATE<br>M.NAGATA '04/03/23   |                                                                                      |                                                                                                                 | TITLE: Embstp Pkg FOR<br>0.5 FPC Conn (E/O) Btm Cont<br>GOLD PLATING (Hgt=1.1mm) -LEAD FREE- |                                     |                                                |                       |
|                                  |                                  |                                  |                                  |                                                                                          |             | 10 OVER<br>以上                           | 30 UNDER<br>未満                                                                                                                 | ±0.25                                   | CHECKED BY & DATE<br>K.TOJO '04/03/23                                                |                                                                                                                 |                                                                                              |                                     |                                                |                       |
|                                  |                                  |                                  |                                  |                                                                                          |             | 30 OVER<br>以上                           | ±0.3                                                                                                                           | APPROVED BY & DATE<br>M.SASAO '04/03/23 |                                                                                      |                                                                                                                 |                                                                                              |                                     |                                                | MOLEX INCORPORATED    |
|                                  |                                  |                                  |                                  |                                                                                          |             | WIRE RANGE<br>適用電線範囲                    | ANGLE 角度                                                                                                                       | ±3°                                     | CAD FILENAME<br>SD-51441-010.S03                                                     | MATERIAL NO.<br>SEE CHART                                                                                       | DRAWING NO.<br>SD-51441-010                                                                  | SHEET NO.<br>3 OF 3                 |                                                |                       |
|                                  |                                  |                                  |                                  | 0                                                                                        | REV         | INS. RANGE<br>被覆外径                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                         |                                                                                      | SIZE<br>B                                                                                                       |                                                                                              |                                     |                                                |                       |