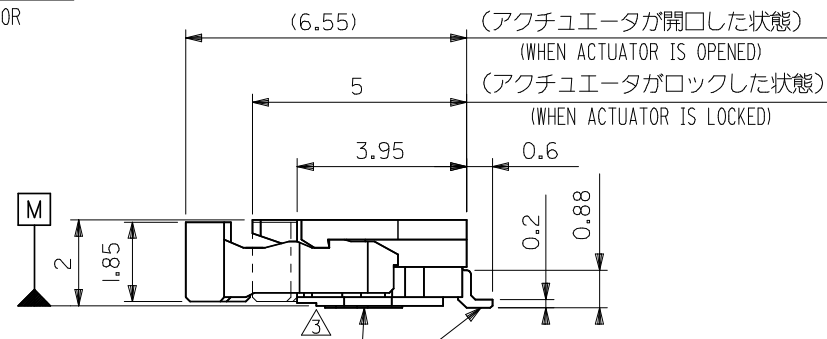
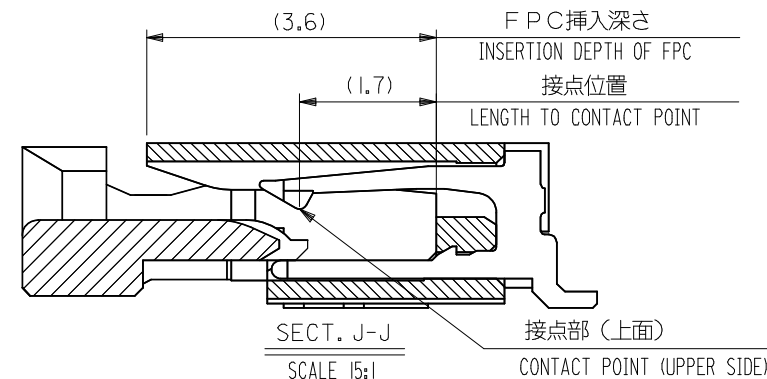
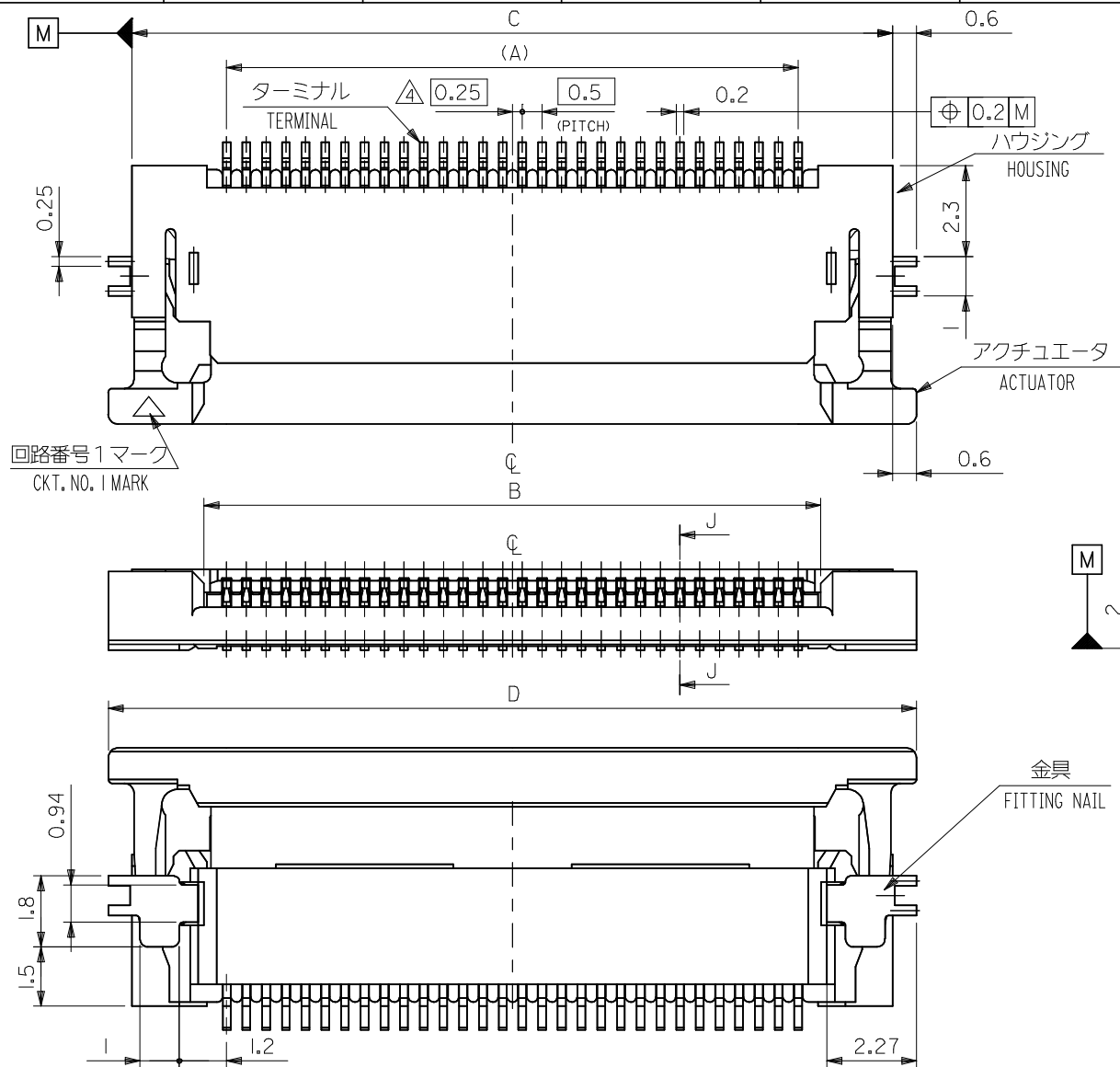
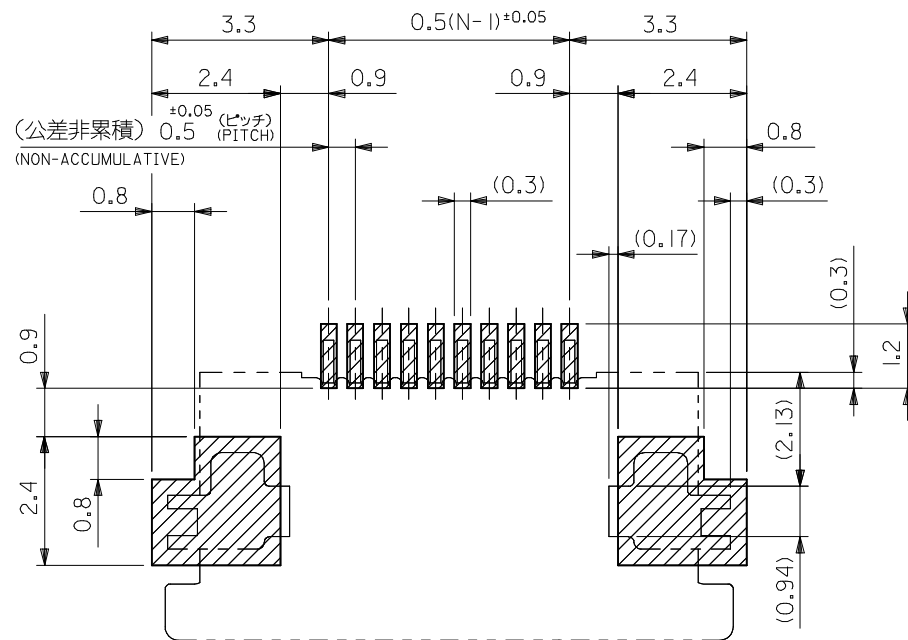




|      |      |       |      |                  |              |         |
|------|------|-------|------|------------------|--------------|---------|
| 30.5 | 29.3 | 25.65 | 24.5 | 54104-5096       | 54104 - 5039 | 50      |
| 28.5 | 27.3 | 23.65 | 22.5 | 54104-4696       | 54104 - 4639 | 46      |
| 28.0 | 26.8 | 23.15 | 22.0 | 54104-4596       | 54104 - 4539 | 45      |
| 27.0 | 25.8 | 22.15 | 21.0 | 54104-4396       | 54104 - 4339 | 43      |
| 25.5 | 24.3 | 20.65 | 19.5 | 54104-4096       | 54104 - 4039 | 40      |
| 24.5 | 23.3 | 19.65 | 18.5 | 54104-3896       | 54104 - 3839 | 38      |
| 23.5 | 22.3 | 18.65 | 17.5 | 54104-3696       | 54104 - 3639 | 36      |
| 23.0 | 21.8 | 18.15 | 17.0 | 54104-3596       | 54104 - 3539 | 35      |
| 22.5 | 21.3 | 17.65 | 16.5 | 54104-3496       | 54104 - 3439 | 34      |
| 22.0 | 20.8 | 17.15 | 16.0 | 54104-3396       | 54104 - 3339 | 33      |
| 21.5 | 20.3 | 16.65 | 15.5 | 54104-3296       | 54104 - 3239 | 32      |
| 20.5 | 19.3 | 15.65 | 14.5 | 54104-3096       | 54104 - 3039 | 30      |
| D    | C    | B     | A    | EMBOSSED TAPE    | MATERIAL NO. | CIRCUIT |
|      |      |       |      | ORDER No. オーダー番号 |              |         |

|                                                                             |                    |                                                            |              |                         |                   |                                                                                                                                  |              |                           |  |
|-----------------------------------------------------------------------------|--------------------|------------------------------------------------------------|--------------|-------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------|--|
| REVISED<br>EC NO: J2008-4308<br>DRWN:WABEI<br>CHKD:THARUYAMA<br>APPR:NUKITA | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |              | DIMENSION STYLE         |                   | SCALE                                                                                                                            | DESIGN UNITS | THIRD ANGLE<br>PROJECTION |  |
|                                                                             |                    |                                                            |              | MM ONLY                 |                   | ---                                                                                                                              | METRIC       |                           |  |
|                                                                             |                    | 10 UNDER                                                   | ± 0.2        | DRAWN BY<br>Y. SAKIYAMA | DATE<br>'04/01/22 | TITLE<br>0.5 FPC CONN ZIF HSG<br>ASSY FOR SMT RA UPR CONT<br>-LEAD FREE-                                                         |              |                           |  |
|                                                                             |                    | 10 OVER 30 UNDER                                           | ± 0.25       | CHECKED BY<br>M. SASAO  | DATE<br>'04/01/22 |                                                                                                                                  |              |                           |  |
|                                                                             |                    | 30 OVER                                                    | ± 0.3        | APPROVED BY<br>M. SASAO | DATE<br>'04/01/22 | molex MOLEX INCORPORATED                                                                                                         |              |                           |  |
|                                                                             | ANGULAR            | ±3 °                                                       | MATERIAL NO. |                         | DOCUMENT NO.      |                                                                                                                                  | SHEET NO.    |                           |  |
| A                                                                           | REV                | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |              | SEE TABLE               |                   | SD-54104-071                                                                                                                     |              | 1 OF 2                    |  |
|                                                                             |                    |                                                            |              | SIZE<br>A3              |                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                           |  |



コネクタ位置  
CONNECTOR POSITION

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

(マウント面)  
(MOUNTING SIDE)

注記 NOTES

## I. 使用材料 MATERIAL

ハウジング : 46ナイロン、UL94V-0  
HOUSING 46NYLON

アクチュエータ : PPS、UL94V-0  
ACTUATOR

ターミナル  
TERMINAL :リン青銅、ニッケル下地 錫ビスマスメッキ (t=0.2)  
PHOS-BRONZE, TIN-BISMUTH

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

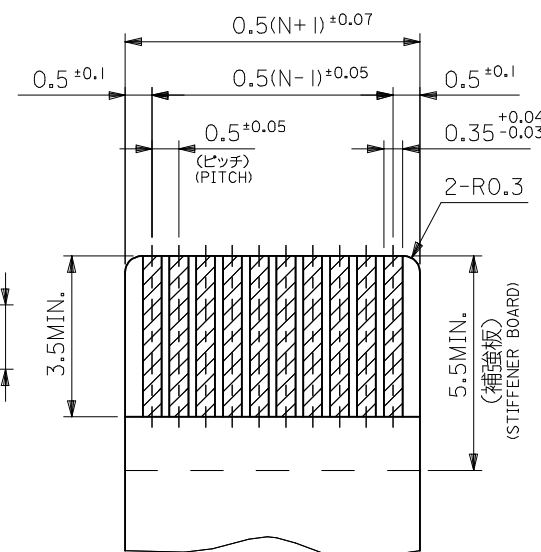
2. エンボステーブ梱包時は、アクチュエータがロックした状態とする。  
IN THE PACKAGE,ACTUATOR OF PART NO.54104-\*\*-39 SHOULD BE LOCKED.

△ 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 H に対し上方向 0.1 MAX. 下方向 0.15 MAX. 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 UPPER DIRECTION: 0.1 MAX., LOWER DIRECTION: 0.15 MAX. OFFSET BETWEEN UPPER AND LOWER 0.1 MAX.

△ 偶数極に適用。  
APPLY FOR EVEN CIRCUIT.

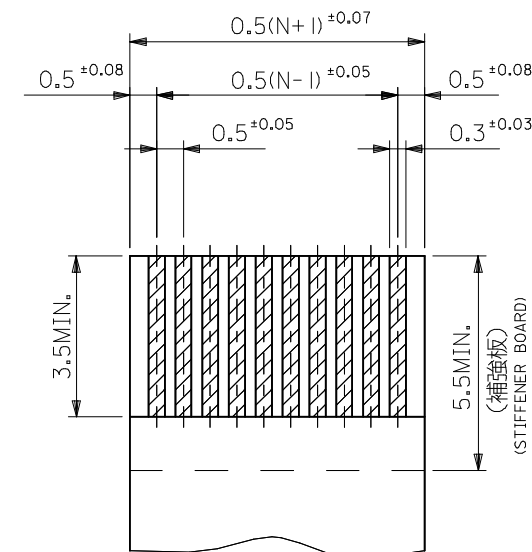
△5 パターンはくり止め用金具  
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.

6. 本製品は 54104-\*\*37 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 54104-\*\*37.



適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION

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



適合FFC推奨寸法  
APPLICABLE FFC  
RECOMMENDED DIMENSION

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

## 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  
メッキ厚 3~9マイクロメートル錫または半田メッキ（電気メッキ）

RECOMMENDED PUNCHER DIRECTION:  
FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.  
RECOMMENDED CONDUCTOR SPEC.:  
THICKNESS OF SOFT COPPER FOIL:  
35 micrometer or 50 micrometer  
TIN OR SOLDER PLATING:  
3 ~9 micrometer(ELECTRICAL PLATING)

FPCについて

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。

RECOMMENDED MATERIAL:  
STIFFENER FILM : POLYIMIDE  
BONDING AGENT : THERMOSETTING BONDING AGENT

|                                                                                                                                                          |  |                                                                                                                                                          |  |                                                                     |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------|------------------------|
| FREE OF 54104-***37.                                                                                                                                     |  | 54104-***39                                                                                                                                              |  | MODEL NO.                                                           |                        |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                                 |  | DIMENSION STYLE<br>MM ONLY                                                                                                                               |  | SCALE<br>---                                                        | DESIGN UNITS<br>METRIC |
| THIRD ANGLE<br>PROJECTION                                                                                                                                |  | TITLE<br>0.5 FPC CONN ZIF HSG<br>ASSY FOR SMT RA UPR CONT<br>-LEAD FREE-                                                                                 |  |                                                                     |                        |
| DESCRIPTION<br>10 UNDER ± 0.2<br>10 OVER 30 UNDER ± 0.25<br>30 OVER ± 0.3<br>ANGULAR ± 3 °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | DRAWN BY DATE<br>Y. SAKIYAMA '04/01/22<br>CHECKED BY DATE<br>M. SASAO '04/01/22<br>APPROVED BY DATE<br>M. SASAO '04/01/22<br>MATERIAL NO.<br>SEE SHEET 1 |  | MOLEX INCORPORATED<br>DOCUMENT NO. SD-54104-071<br>SHEET NO. 2 OF 2 |                        |
| REVISED<br>EC NO: J2008-4308<br>DRAWN: HABE1<br>CHK'D: T. HARUYAMA<br>APPR: NUKITA                                                                       |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                         |  |                                                                     |                        |

8

7

6

5

4

3

2

1

F

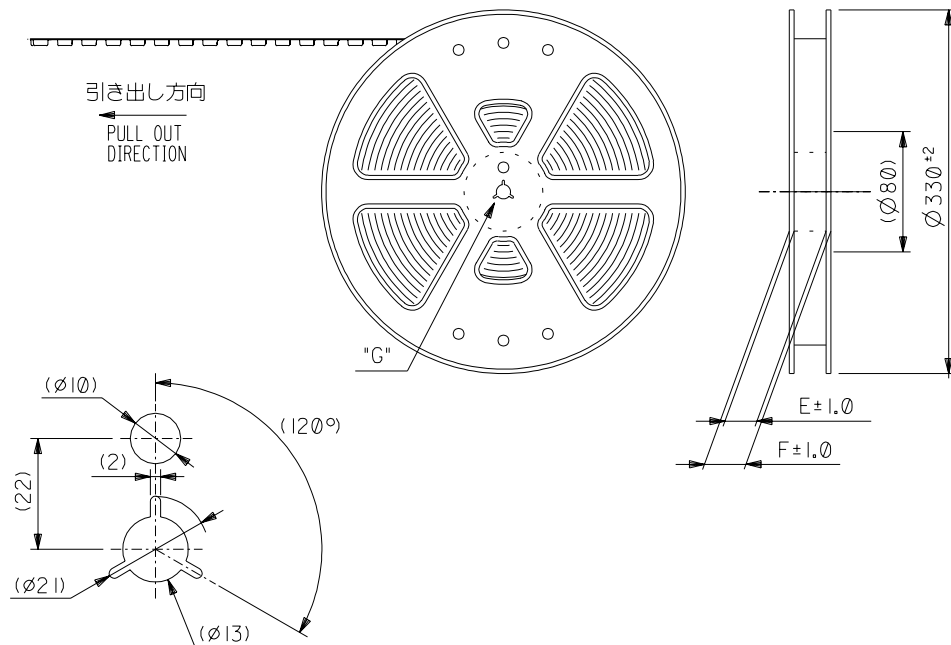
E

D

C

B

A



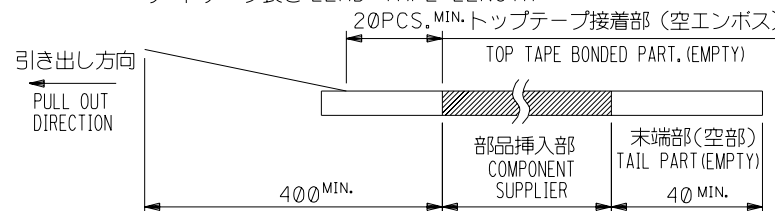
DETAIL "G"

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>

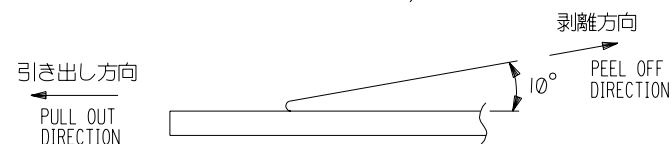
5. 本製品は 54104-\*\*\*92 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 54104-\*\*\*92.

## NOTES

1. 梱包数量: 1500個/リール  
NUMBER OF CONNECTORS: 1500PCS/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: 0.1 ~ 1.3N (10 ~ 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: 0.1 ~ 1.3N (10 ~ 130gf)  
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.  
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



|                                |      |      |      |      |      |      |              |         |    |
|--------------------------------|------|------|------|------|------|------|--------------|---------|----|
| 44                             | 49.4 | 45.4 | 30.8 | 31.9 | 26.1 | 29.6 | 54104-5096   | 50      |    |
|                                |      |      | 28.8 | 29.9 | 24.1 | 27.6 | 4            | -4696   | 46 |
|                                |      |      | 28.3 | 29.4 | 23.6 | 27.1 | 4            | -4596   | 45 |
|                                |      |      | 27.3 | 28.4 | 22.6 | 26.1 |              | -4396   | 43 |
|                                |      |      | 25.8 | 26.9 | 21.1 | 24.6 |              | -4096   | 40 |
|                                |      |      | 24.8 | 25.9 | 20.1 | 23.6 |              | -3896   | 38 |
|                                |      |      | 23.8 | 24.9 | 19.1 | 22.6 |              | -3696   | 36 |
|                                |      |      | 23.3 | 24.4 | 18.6 | 22.1 |              | -3596   | 35 |
|                                |      |      | 22.8 | 23.9 | 18.1 | 21.6 |              | -3496   | 34 |
|                                |      |      | 22.3 | 23.4 | 17.6 | 21.1 |              | -3396   | 33 |
|                                |      |      | 21.8 | 22.9 | 17.1 | 20.6 | 7            | -3296   | 32 |
|                                |      |      | 20.8 | 21.9 | 16.1 | 19.6 | 54104-3096   | 30      |    |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | F    | E    | D    | C    | B    | A    | MATERIAL NO. | CIRCUIT |    |

|                                  |                                  |                                  |                                                                                         |                                                                                              |                    |                              |                   |                                                                                                                                   |                                         |                                                                                      |                                                                                                          |                                                                                                             |                       |           |
|----------------------------------|----------------------------------|----------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------|------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------|-----------|
| EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | REVISED '04/04/21<br>EC NO. J2004-3918<br>DRWN: Y.WADA<br>CHK: M.SASAO<br>APPR: M.SASAO | RELEASED '04/01/22<br>EC NO. J2004-2032<br>DRWN: Y.SAKIYAMA<br>CHK: M.SASAO<br>APPR: M.SASAO | DESCRIPTION<br>REV | MATERIAL<br>材料               | 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"/> mm <input checked="" type="checkbox"/> mm ONLY | REVISE ON<br>CAD ONLY |           |
|                                  |                                  |                                  |                                                                                         |                                                                                              |                    | 10 UNDER<br>未満               |                   | ±0.2                                                                                                                              | DRAWN BY & DATE<br>Y.SAKIYAMA '04/01/22 | TITLE:<br>Embstp Pkg for<br>0.5 FPC Conn Zif Hsg Assy<br>-LEAD FREE-                 |                                                                                                          |                                                                                                             |                       |           |
|                                  |                                  |                                  |                                                                                         |                                                                                              |                    | 10 OVER<br>以上 30 UNDER<br>未満 |                   | ±0.25                                                                                                                             | CHECKED BY & DATE<br>M.SASAO '04/01/22  |                                                                                      |                                                                                                          |                                                                                                             |                       |           |
|                                  |                                  |                                  |                                                                                         |                                                                                              |                    | 30 OVER<br>以上                |                   | ±0.3                                                                                                                              | APPROVED BY & DATE<br>M.SASAO '04/01/22 |                                                                                      |  MOLEX INCORPORATED |                                                                                                             |                       |           |
|                                  |                                  |                                  |                                                                                         |                                                                                              |                    | WIRE RANGE<br>適用電線範囲         | —                 | ANGLE 角度                                                                                                                          | 3°                                      | CAD FILENAME<br>SD-54104-072.S01                                                     | MATERIAL NO.<br>SEE CHART                                                                                | DRAWING NO.<br>SD-54104-072                                                                                 | SHEET NO.<br>1 OF 2   |           |
|                                  |                                  |                                  |                                                                                         |                                                                                              |                    | INS. RANGE<br>被覆外径           | —                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                         |                                                                                      |                                                                                                          |                                                                                                             |                       | SIZE<br>B |





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Электрон  
Связь**

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**Наши контакты:**

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