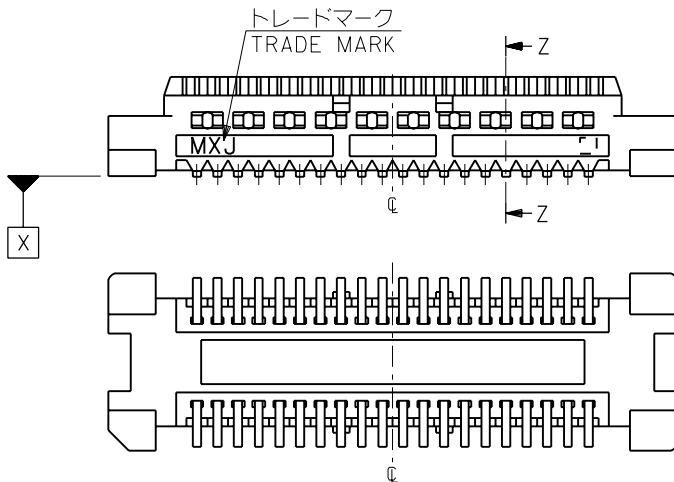
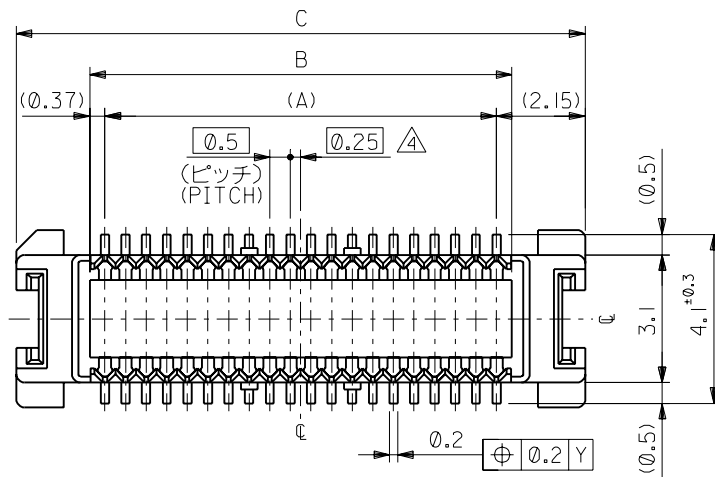




## 注記 NOTES:

## 1. 使用材料 MATERIAL

ハウジング: LCPガラス入り (白), UL94V-0  
HOUSING: LCP (G.F.) (COLOR: WHITE), UL94V-0  
ターミナル: 黄銅 (t=0.15)  
TERMINAL: BRASS (t=0.15)

## 2. メッキ仕様 PLATING

全体仕上げ: 金メッキ 0.1 MICROMETER MIN.  
ALL OVER: GOLD 0.1 MICROMETER MIN.  
下地メッキ: ニッケルメッキ 1.5 MICROMETER MIN.  
UNDER PLATING: NICKEL 1.5 MICROMETER MIN.

## 3. 基準面 [X] からのソルダーテールの半田付け面のズレ量は、上方向 0、下方向 0.15MAX. とする。

MISALIGNMENT OF SOLDER TAIL FROM [X]  
: UPPER DIRECTION 0, LOWER DIRECTION 0.15 MAX.

△ (全極数/2) = 偶数の場合に適用。

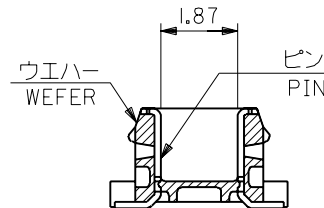
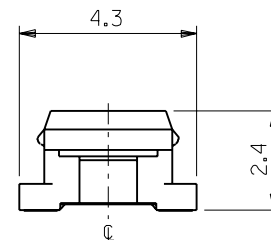
APPLY FOR (CIRCUIT/2)=EVEN.

5 嵌合相手: 52991 シリーズ 54167 シリーズ

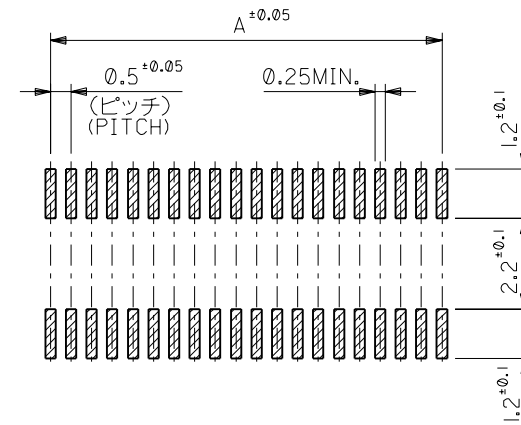
MATE WITH: 52991 SERIES, 54167 SERIES.

6 テール平坦度は、0.1MAX.

TAIL COPLANARITY TO BE 0.1MAX.



## SECT. Z-Z



## 参考基板レイアウト (マウント面)

P.C. BOARD PATTERN  
DIMENSION. (REF.)  
(MOUNTING AREA)

|      |       |      |            |               |
|------|-------|------|------------|---------------|
| 23.8 | 20.24 | 19.5 | 53748-0800 | 80            |
| 21.3 | 17.74 | 17.0 | -0700      | 70            |
| 18.8 | 15.24 | 14.5 | -0600      | 60            |
| 16.3 | 12.74 | 12.0 | -0500      | 50            |
| 13.8 | 10.24 | 9.5  | -0400      | 40            |
| 11.3 | 7.74  | 7.0  | -0300      | 30            |
| 8.8  | 5.24  | 4.5  | 53748-0200 | 20            |
| C    | B     | A    | ENG. NO    | 極数<br>CIRCUIT |

|  |  |  |  |                                |                                |                                                                |  |
|--|--|--|--|--------------------------------|--------------------------------|----------------------------------------------------------------|--|
|  |  |  |  | 材料<br>MATERIAL                 | 注記参照<br>SEE NOTES              | MOLEX-JAPAN CO., LTD.<br>日本モレックス株式会社                           |  |
|  |  |  |  | 仕上げ<br>FINISH                  | —//—                           | REVISE ONLY ON CAD SYSTEM                                      |  |
|  |  |  |  | 適用電線範囲<br>WIRE RANGE           | —//—                           | TITLE 名称                                                       |  |
|  |  |  |  | 被覆外径<br>INS. RANGE             | —//—                           | 0.5 B-To-B Conn<br>PLUG Assy [Hgt=3mm]<br>(W/O BOSS, W/O Nail) |  |
|  |  |  |  | DRAWN BY '96/2/27<br>S. AIHARA | CHK'D BY '01/12/26<br>M. SASAO | DWG. NO. (SHEET 1 OF 2) REV                                    |  |
|  |  |  |  | APP'D BY '01/12/26<br>M. SASAO | 尺度<br>SCALE 8 : 1              | SD-53748-***0 B                                                |  |
|  |  |  |  | 記号<br>LTR                      | 変更内容<br>REVISION RECORD        | 日付<br>DATE                                                     |  |
|  |  |  |  | 一般公差<br>GENERAL TOLERANCES     |                                |                                                                |  |

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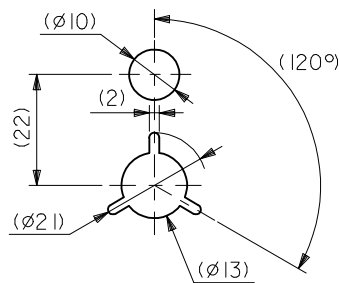
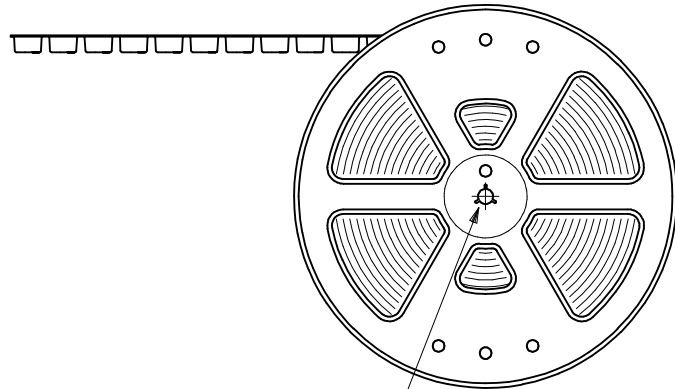
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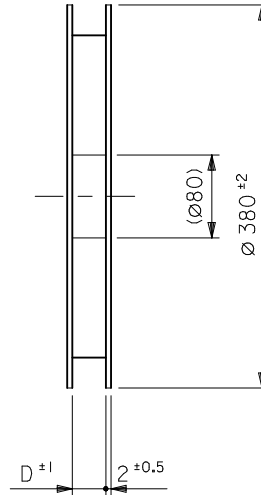
2

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引き出し方向  
PULL OUT  
DIRECTION



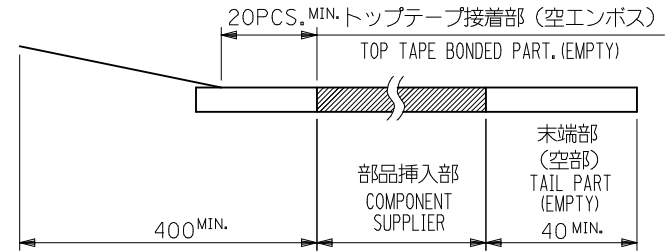
DETAIL "F"



引き出し方向  
PULL OUT  
DIRECTION

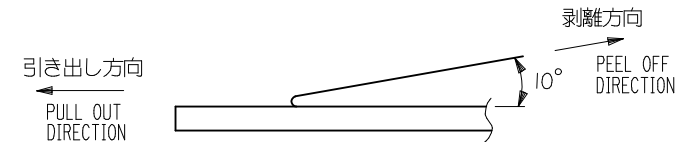
## NOTES

- 製品詳細寸法については図面 SD-53748-002 を参照下さい。  
RE DETAILED DIMENSION, SEE SD-53748-002
- 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 ～ 0.7N(10.2gf ～ 71.4gf)  
(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 ～ 0.7N(10.2gf ～ 71.4gf)  
(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>  
POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>

MODEL NO. 53748-\*\*\*8

|                                                                                  |             |                                                            |       |                             |                   |                                                                                                                                  |                        |                           |  |           |
|----------------------------------------------------------------------------------|-------------|------------------------------------------------------------|-------|-----------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|-----------|
| REVISED<br>EC NO.: J2009-0487<br>DWGN:NAKAMURA<br>CHK'D: HARUYAMA<br>APPR:NUKITA | 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>T. NIITSU       | DATE<br>'95/10/17 | TITLE<br>0.5 BTB CONN PLUG<br>(BOSS,NAIL)EMBSTP PKG                                                                              |                        |                           |  |           |
|                                                                                  |             | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY<br>T. ITO        | DATE<br>'01/1/23  |                                                                                                                                  |                        |                           |  |           |
|                                                                                  |             | 30 OVER                                                    | ±0.3  | APPROVED BY<br>M. FUKUSHIMA | DATE<br>'01/1/23  | MOLEX INCORPORATED                                                                                                               |                        |                           |  |           |
|                                                                                  |             | ANGULAR ±3 °                                               |       | MATERIAL NO.                |                   | DOCUMENT NO.                                                                                                                     |                        |                           |  | SHEET NO. |
|                                                                                  |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE TABLE                   |                   | SD-53748-005                                                                                                                     |                        |                           |  | 1 OF 5    |
|                                                                                  |             | REV                                                        |       |                             | SIZE<br>A3        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |  |           |

10 9 8 7 6 5 4 3 2 1

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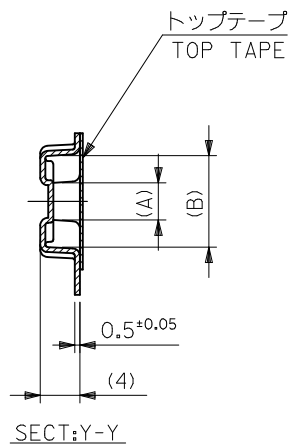
D

C

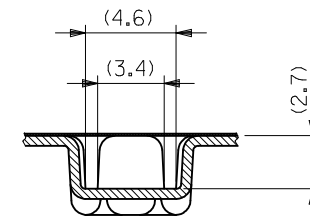
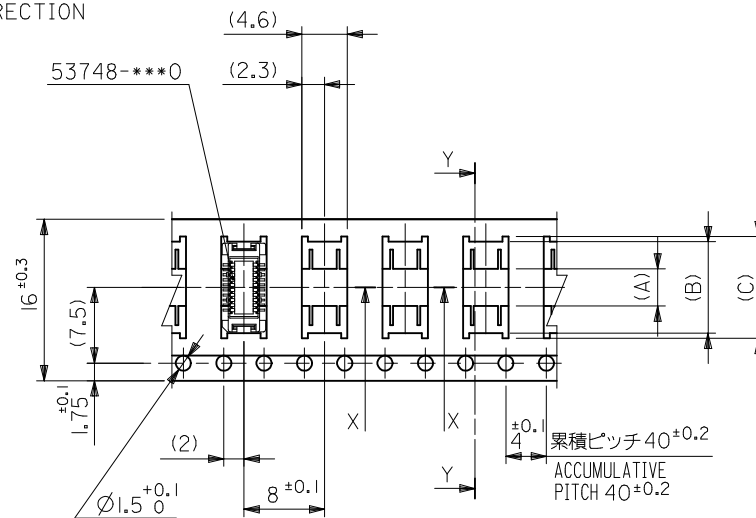
B

A

引き出し方向  
PULL OUT DIRECTION



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



|                                |      |      |     |     |              |            |
|--------------------------------|------|------|-----|-----|--------------|------------|
| 16                             | 17.5 | 10.1 | 9.1 | 3.7 | 53748-0208   | 20         |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | D    | (C)  | (B) | (A) | MATERIAL NO. | 極数<br>CKT. |
|                                |      |      |     |     | MODEL NO.    | 53748-***8 |

|                                                                                  |             |                                                                                                                                  |         |                            |                   |                                                            |                        |                           |        |  |
|----------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------|-------------------|------------------------------------------------------------|------------------------|---------------------------|--------|--|
| REVISED<br>EC NO: J2009-0487<br>DRWN:NAKAMURA<br>CHKD:T. HARUYAMA<br>APPR:NUKITA | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |         | DIMENSION STYLE<br>MM ONLY |                   | SCALE<br>---                                               | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |        |  |
|                                                                                  |             | 10 UNDER                                                                                                                         | ± ---   | T.NIITSU                   | DATE<br>'95/10/17 | TITLE<br>0.5 BTB CONN PLUG(W/O<br>BOSS W/O NAIL)EMBSTP PKG |                        |                           |        |  |
|                                                                                  |             | 10 OVER 30 UNDER                                                                                                                 | ± ---   | CHECKED BY<br>T. ITO       | DATE<br>'01/1/23  |                                                            |                        |                           |        |  |
|                                                                                  |             | 30 OVER                                                                                                                          | ± ---   | APPROVED BY<br>M.FUKUSHIMA | DATE<br>'01/1/23  | MOLEX INCORPORATED                                         |                        |                           |        |  |
|                                                                                  |             | ANGULAR                                                                                                                          | ± --- ° | MATERIAL NO.               |                   |                                                            |                        |                           |        |  |
|                                                                                  |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |         | SEE TABLE                  |                   | SD-53748-005                                               |                        |                           | 2 OF 5 |  |
|                                                                                  | REV         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |         |                            |                   |                                                            |                        |                           |        |  |

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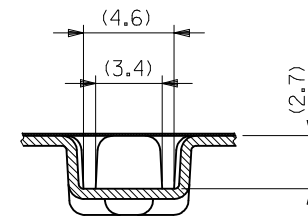
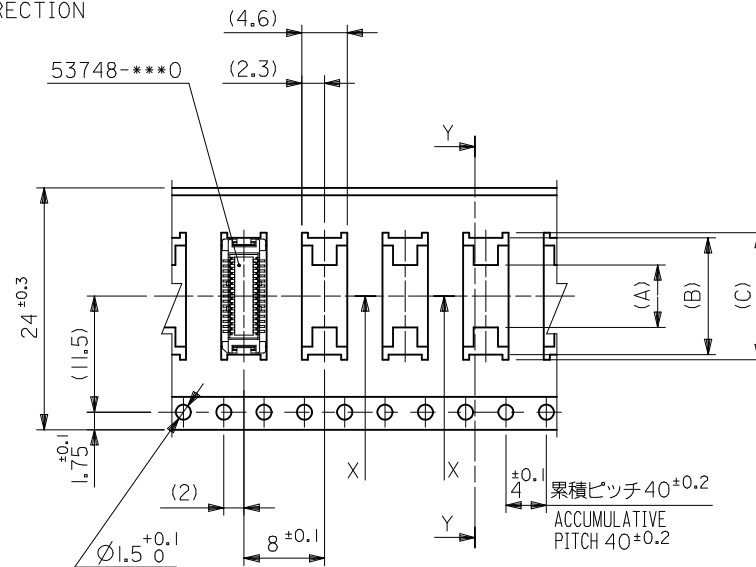
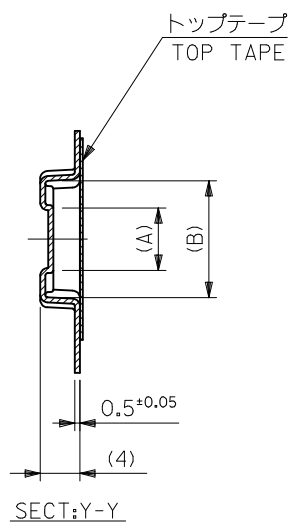
D

C

B

A

引き出し方向  
PULL OUT DIRECTION



SECT:X-X  
(SCALE:4-1)

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

|                                |      |      |      |     |              |            |
|--------------------------------|------|------|------|-----|--------------|------------|
| 24                             | 25.5 | 15.1 | 14.1 | 7.4 | 53748-0408   | 40         |
|                                |      | 12.6 | 11.6 | 4.9 | 53748-0308   | 30         |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | D    | (C)  | (B)  | (A) | MATERIAL NO. | 極数<br>CKT. |

MODEL NO. 53748-\*\*\*8

|                                                                                      |                                                            |                                          |                                                                                                                                  |                             |                  |                                                            |                        |                           |  |  |
|--------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------|------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO.: J2009-0487<br>DRWN: NAKAMURA<br>CHKD: T. HARUYAMA<br>APPR: NUKITA | DESCRIPTION                                                | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY  |                  | SCALE<br>---                                               | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                      |                                                            | 10 UNDER                                 | ± ---                                                                                                                            | DRAWN BY<br>S. AIHARA       | DATE<br>'96/4/1  | TITLE<br>0.5 BTB CONN PLUG(W/O<br>BOSS W/O NAIL)EMBSTP PKG |                        |                           |  |  |
|                                                                                      |                                                            | 10 OVER 30 UNDER                         | ± ---                                                                                                                            | CHECKED BY<br>T. ITO        | DATE<br>'01/1/23 |                                                            |                        |                           |  |  |
|                                                                                      |                                                            | 30 OVER                                  | ± ---                                                                                                                            | APPROVED BY<br>M. FUKUSHIMA | DATE<br>'01/1/23 | MOLEX INCORPORATED                                         |                        |                           |  |  |
|                                                                                      |                                                            | ANGULAR ± --- °                          |                                                                                                                                  | MATERIAL NO.                |                  | DOCUMENT NO.                                               |                        | SHEET NO.                 |  |  |
|                                                                                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          | SEE TABLE                                                                                                                        |                             | SD-53748-005     |                                                            | 3 OF 5                 |                           |  |  |
|                                                                                      | D                                                          | REV                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                             |                  |                                                            |                        |                           |  |  |

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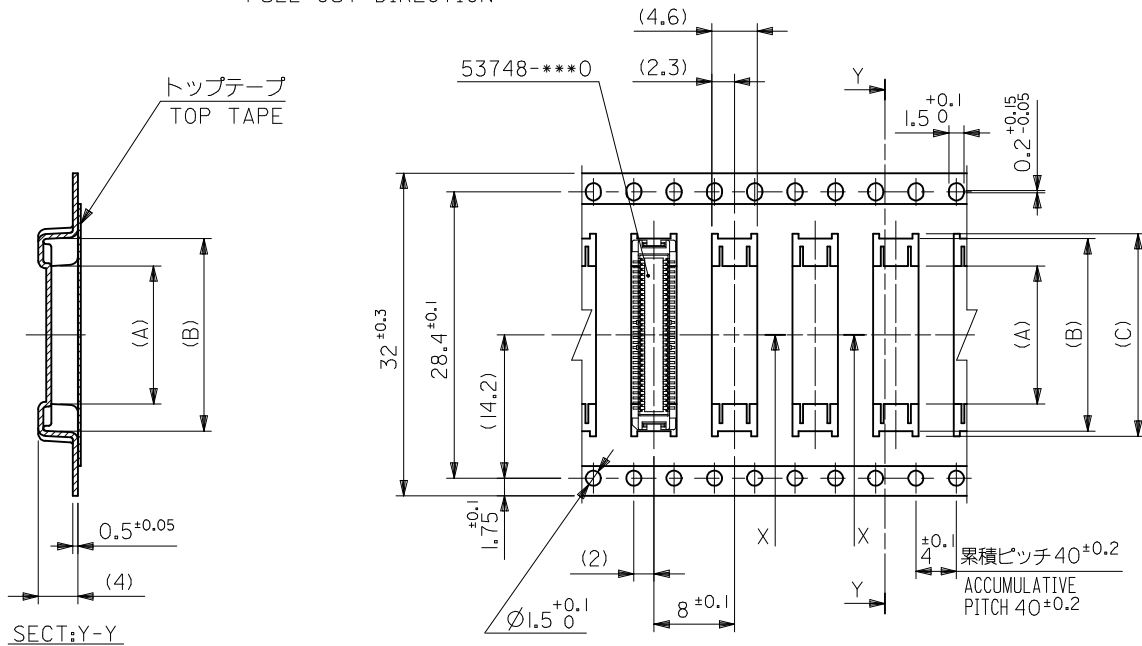
4

3

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1

引き出し方向  
PULL OUT DIRECTION



32mm幅キャリアテープ  
32mm WIDTH CARRIER TAPE

|                                |      |      |      |      |              |            |
|--------------------------------|------|------|------|------|--------------|------------|
| 32                             | 33.5 | 20.1 | 19.1 | 13.7 | 53748-0608   | 60         |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | D    | (C)  | (B)  | (A)  | MATERIAL NO. | 極数<br>CKT. |
| MODEL NO.                      |      |      |      |      | 53748-***0   |            |

|                                                                                     |             |                                                                                                                                  |       |                             |                   |                                                             |                        |                           |        |  |
|-------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------|-------------------|-------------------------------------------------------------|------------------------|---------------------------|--------|--|
| REVISED<br>EC NO: J2009-0487<br>DRWN: NAKAMURA<br>CHKD: T. HARUYAMA<br>APPR: NUKITA | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |       | DIMENSION STYLE<br>MM ONLY  |                   | SCALE<br>---                                                | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |        |  |
|                                                                                     |             | 10 UNDER                                                                                                                         | ± --- | DRAWN BY<br>S. AIHARA       | DATE<br>'95/11/13 | TITLE<br>0.5 BTB CONN PLUG (W/O<br>BOSS W/O NAIL)ENBSTP PKG |                        |                           |        |  |
|                                                                                     |             | 10 OVER 30 UNDER                                                                                                                 | ± --- | CHECKED BY<br>T. ITO        | DATE<br>'01/1/23  |                                                             |                        |                           |        |  |
|                                                                                     |             | 30 OVER                                                                                                                          | ± --- | APPROVED BY<br>M. FUKUSHIMA | DATE<br>'01/1/23  | MOLEX INCORPORATED                                          |                        |                           |        |  |
|                                                                                     |             | ANGULAR ± --- °                                                                                                                  |       | MATERIAL NO.                |                   |                                                             |                        |                           |        |  |
|                                                                                     |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |       | SEE TABLE                   |                   | SD-53748-005                                                |                        |                           | 4 OF 5 |  |
|                                                                                     | REV         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                             |                   |                                                             |                        |                           |        |  |

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