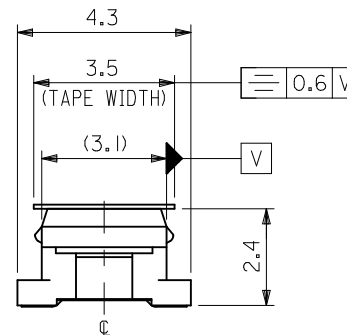
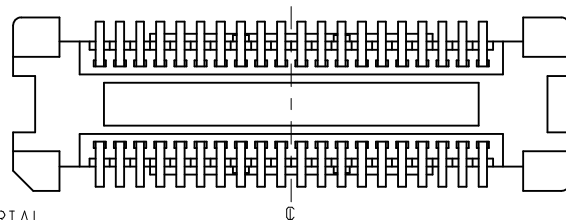
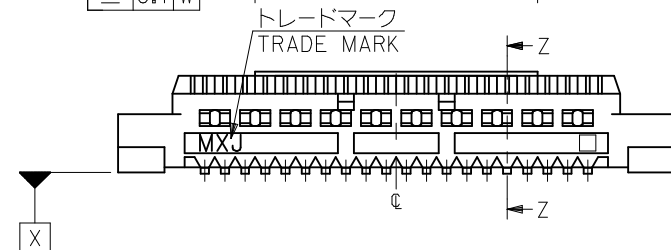
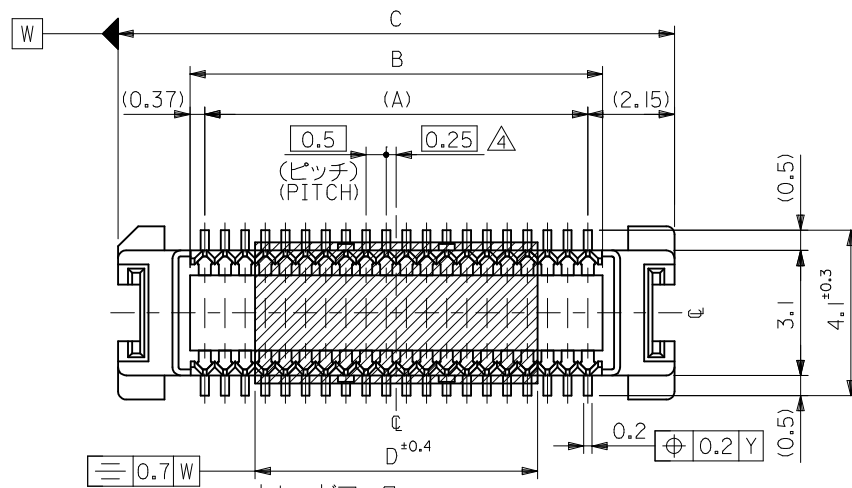
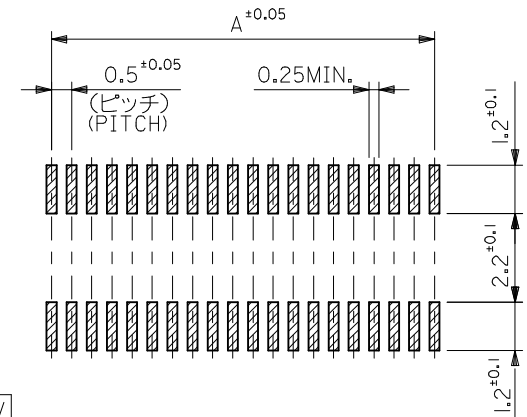


SECT. Z-Z



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

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)  
テープ: ポリイミド (t=50μm)  
TAPE: PI (t=50μm)

2. メッキ仕様 PLATING  
全体仕上げ: 金メッキ 0.1μmMIN.  
ALL OVER: GOLD 0.1μmMIN.  
下地メッキ: ニッケルメッキ 1.5μmMIN.  
UNDER PLATING: NICKEL 1.5μmMIN.

3. 基準面 [X] からの溶剤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.

4. (全極数/2) = 偶数の場合に適用。  
APPLY FOR (CIRCUIT/2)=EVEN.

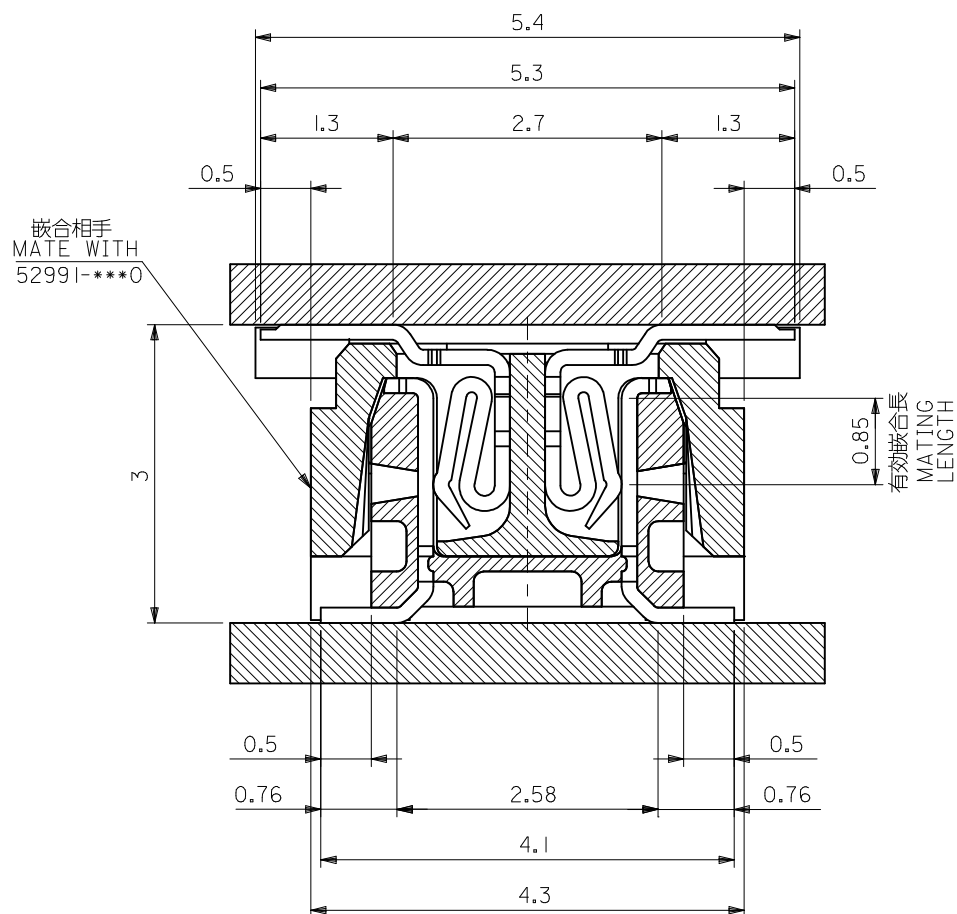
- 5 嵌合相手: 5299I シリーズ  
MATE WITH: 5299I SERIES.
- 6 テール平坦度は、0.1MAX.  
TAIL COPLANARITY TO BE 0.1MAX.

|     |      |       |      |              |               |
|-----|------|-------|------|--------------|---------------|
| 7.0 | 23.8 | 20.24 | 19.5 | 53748-0802   | 80            |
| 7.0 | 16.3 | 12.74 | 12.0 | 53748-0502   | 50            |
| 4.0 | 11.3 | 7.74  | 7.0  | 53748-0302   | 30            |
| D   | C    | B     | A    | MATERIAL NO. | 極数<br>CIRCUIT |

MODEL NO. 53748-\*\*\*2

|                                                                                                                      |             |                                                                                                                                  |        |                            |                  |                                                                             |                        |                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|------------------|-----------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO.: J2009-0487<br>DRAWN: NAKAMURA 2008/12/08<br>CHK'D: HARUYAMA 2008/12/08<br>APPR: NUKITA 2009/01/09 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |        | DIMENSION STYLE<br>MM ONLY |                  | SCALE<br>8:1                                                                | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |  |
|                                                                                                                      |             | 10 UNDER                                                                                                                         | ± 0.2  | DRAWN BY<br>S. AIHARA      | DATE<br>'96/2/27 | TITLE<br>0.5 B/B CONN PLUG WITH<br>TAPE (W/O BOSS W/O NAIL)<br>SHEET 1 OF 2 |                        |                                                                                                                 |  |
|                                                                                                                      |             | 10 OVER 30 UNDER                                                                                                                 | ± 0.25 | CHECKED BY<br>H. HIRAMOTO  | DATE<br>'96/3/16 |                                                                             |                        |                                                                                                                 |  |
|                                                                                                                      |             | 30 OVER                                                                                                                          | ± 0.3  | APPROVED BY<br>H. HIRAMOTO | DATE<br>'96/3/16 |                                                                             |                        |                                                                                                                 |  |
|                                                                                                                      |             | ANGULAR ±3 °                                                                                                                     |        | MATERIAL NO.               |                  | DOCUMENT NO.                                                                |                        | SHEET NO.                                                                                                       |  |
|                                                                                                                      |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |        | SEE TABLE                  |                  | SD-53748-003                                                                |                        | 1 OF 2                                                                                                          |  |
| B                                                                                                                    | REV         | 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



嵌合断面図 (参考)  
MATED DRAWING (REF.)

MODEL NO. 53748-\*\*\*2

SCALE 20:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION

0.5 B/B CONN PLUG WITH  
TAPE (W/O BOSS W/O NAIL)  
SHEET 2 OF 2

MOLEX INCORPORATED

DOCUMENT NO. SD-53748-003 SHEET NO. 2 OF 2

DIMENSION STYLE  
MM ONLY

DRAWN BY S. AIHARA DATE '96/2/27

CHECKED BY H. HIRAMOTO DATE '96/3/16

APPROVED BY H. HIRAMOTO DATE '96/3/16

MATERIAL NO.

SEE TABLE

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

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

10 UNDER ± ---

10 OVER 30 UNDER ± ---

30 OVER ± ---

ANGULAR ± --- °

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

REVISED  
EC NO. J2009-0487  
DRWN: NAKAMURA 2008/12/08  
CHKD: T. HIRUYAMA 2008/12/08  
APPR: NUKITA 2009/01/09

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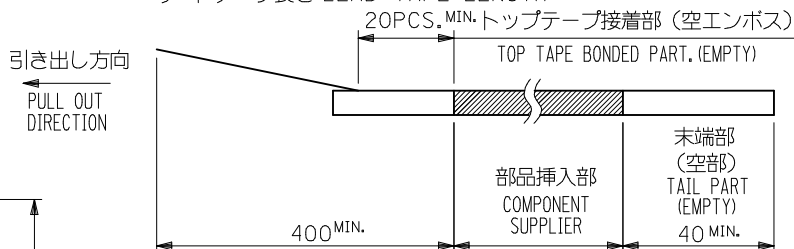
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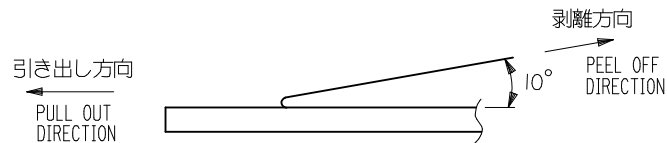
## NOTES

- 製品詳細寸法については図面 SD-53748-003 を参照下さい。  
RE DETAILED DIMENSION, SEE SD-53748-003
- 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)

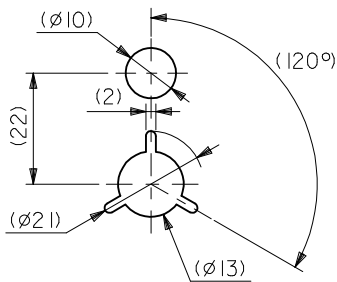
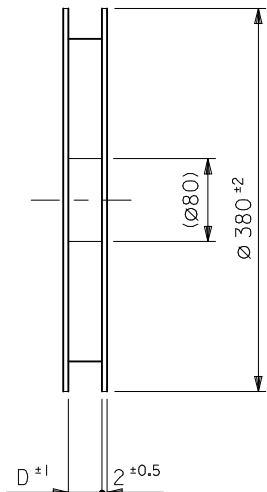
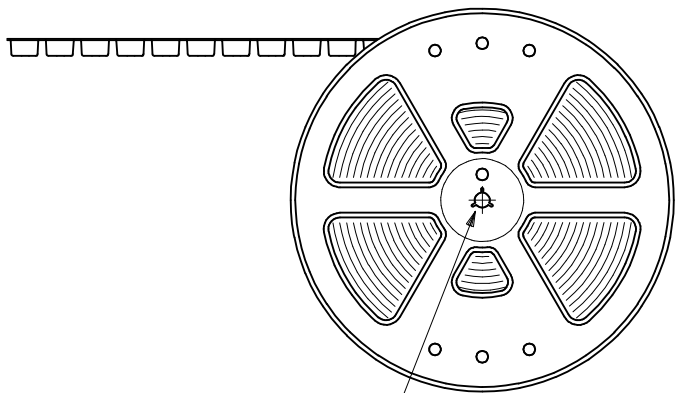
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)  
PEELING OFF FORCE OF TOP TAPE : 0.1N ～ 0.7N(10.2gf ～ 71.4gf)  
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.  
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



- 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>

引き出し方向  
PULL OUT  
DIRECTION



DETAIL "F"

|                                                                                                                       |                    |                                                            |       |                                                                                                                                  |                  |                                 |                        |                           |  |  |
|-----------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2009-0487<br>DRWN:NAKURAA 2008/12/08<br>CHKD:T. HARUYAMA 2008/12/08<br>APPR:NUKITA 2009/01/09<br>D | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       | DIMENSION STYLE<br>MM ONLY                                                                                                       |                  | SCALE<br>---                    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                       |                    | 10 UNDER                                                   | ±0.2  | DRAWN BY<br>S. AIHARA                                                                                                            | DATE<br>'96/3/25 | TITLE<br>0.5 BTB KONN PLUG WITH |                        |                           |  |  |
|                                                                                                                       |                    | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY<br>T. ITO                                                                                                             | DATE<br>'01/1/22 |                                 |                        |                           |  |  |
|                                                                                                                       |                    | 30 OVER                                                    | ±0.3  | APPROVED BY<br>M. FUKUSHIMA                                                                                                      | DATE<br>'01/1/22 | MOLEX INCORPORATED              |                        |                           |  |  |
|                                                                                                                       |                    | ANGULAR ±3 °                                               |       | MATERIAL NO.                                                                                                                     |                  | DOCUMENT NO.                    |                        | SHEET NO.                 |  |  |
|                                                                                                                       |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE TABLE                                                                                                                        |                  | SD-53748-004                    |                        | 1 OF 4                    |  |  |
|                                                                                                                       |                    |                                                            |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  |                                 |                        |                           |  |  |

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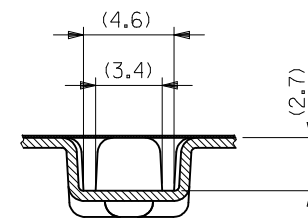
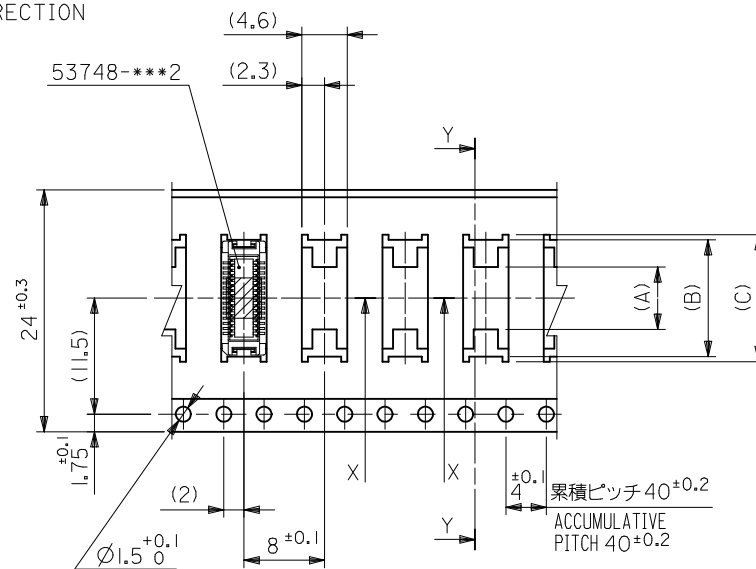
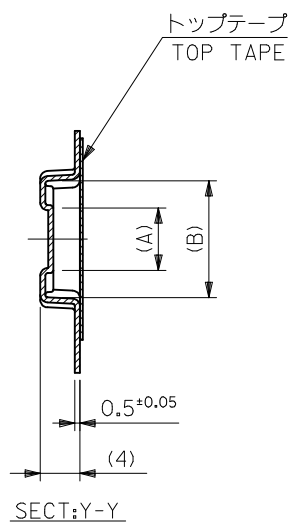
D

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引き出し方向  
PULL OUT DIRECTION



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

|                                |      |      |      |     |              |            |
|--------------------------------|------|------|------|-----|--------------|------------|
| 24                             | 25.5 | 12.6 | 11.6 | 4.9 | 53748-0304   | 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-***4   |            |

|                                                                                  |                                                            |                                                                                                                                  |           |                             |                  |                                 |                        |                           |        |  |
|----------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|------------------|---------------------------------|------------------------|---------------------------|--------|--|
| 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 WITH |                        |                           |        |  |
|                                                                                  |                                                            | 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-53748-004     |                                 |                        |                           | 2 OF 4 |  |
|                                                                                  | REV                                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |           |                             |                  |                                 |                        |                           |        |  |

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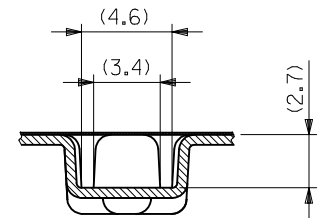
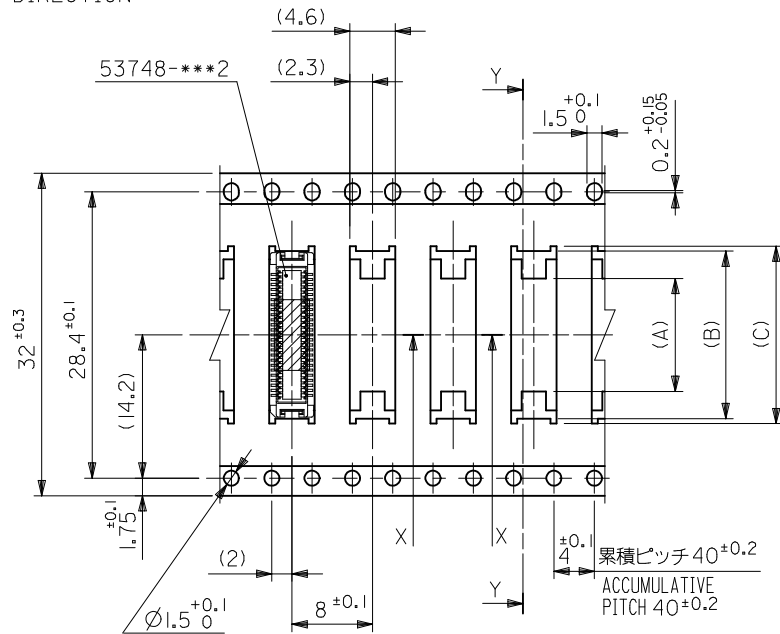
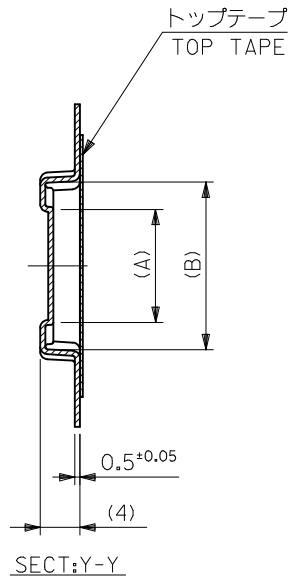
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引き出し方向  
PULL OUT DIRECTION



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

|                                |      |      |      |      |              |            |
|--------------------------------|------|------|------|------|--------------|------------|
| 32                             | 33.5 | 17.6 | 16.6 | 11.2 | 53748-0504   | 50         |
| 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-***4   |            |

|                                                                                   |                                                            |                                                                                                                                  |           |                             |                  |                                 |                        |                           |  |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|------------------|---------------------------------|------------------------|---------------------------|--|--|
| 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>T. YASUI        | DATE<br>'96/4/16 | TITLE<br>0.5 BTB CONN PLUG WITH |                        |                           |  |  |
|                                                                                   |                                                            | 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-53748-004     |                                 |                        | 3 OF 4                    |  |  |
|                                                                                   | REV                                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |           |                             |                  |                                 |                        |                           |  |  |

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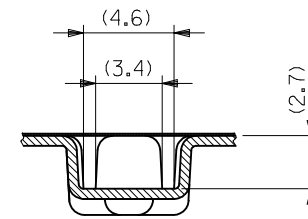
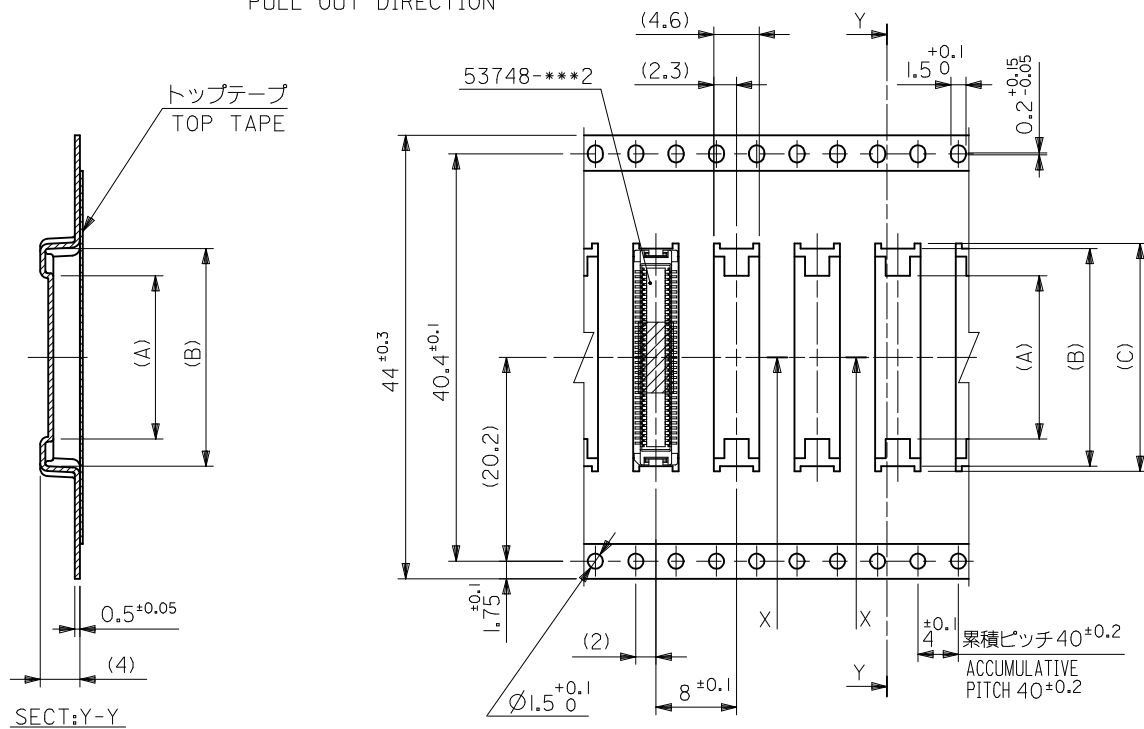
4

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引き出し方向  
PULL OUT DIRECTION



44mm幅キャリアテープ  
44mm WIDTH CARRIER TAPE

|                                |      |      |      |      |              |            |
|--------------------------------|------|------|------|------|--------------|------------|
| 44                             | 45.5 | 25.1 | 24.1 | 18.7 | 53748-0804   | 80         |
| 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-***4   |            |

|                                                                                      |                                                            |                                          |                                                                                                                                  |                             |                  |                                                                                                          |                        |                                                                                                                 |  |
|--------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| 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>T. YASUI        | DATE<br>'96/4/16 | TITLE<br>0.5 BTB CONN PLUG WITH                                                                          |                        |                                                                                                                 |  |
|                                                                                      |                                                            | 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-53748-004     |                                                                                                          | 4 OF 4                 |                                                                                                                 |  |
|                                                                                      | REV                                                        | D                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                             |                  |                                                                                                          |                        |                                                                                                                 |  |

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