

注記 NOTES

## 1. 使用材料 MATERIAL

ウェハー：液晶ポリマー（LCP） ガラス充填 UL94V-0（黒）  
 WAFFER：LIQUID CRYSTAL POLYMER (GLASS FILLED)  
 UL94V-0 (COLOR:BLACK)

ピン：黄銅 (t=0.1)  
PIN：BRASS (t=0.1)

金具：りん青銅 ( $t=0.12$ )  
FITTING NAIL : PHOSPHOR BRONZE ( $t=0.12$ )

## 2. メッキ仕様 PLATING

## ピン PIN

金メッキ 0.2 マイクロメートル以上 (コンタクト部)  
GOLD 0.2MICROMETER MINIMUM (CONTACT AREA)

金メッキ 0.4 マイクロメートル以下 (テール部)  
GOLD 0.4 MICROMETER MAXIMUM (TAIL AREA)

下地メッキ：ニッケルメッキ 1.5 マイクロメートル以上  
UNDER PLATING : NICKEL 1.5MICROMETER MINIMUM

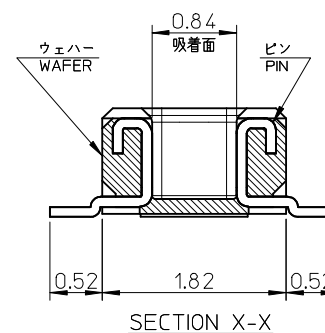
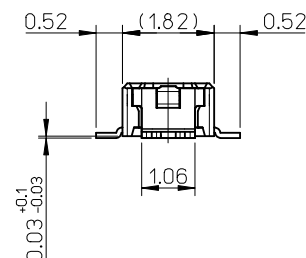
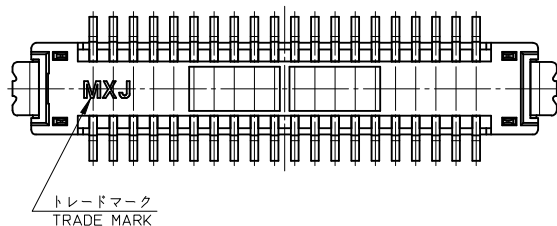
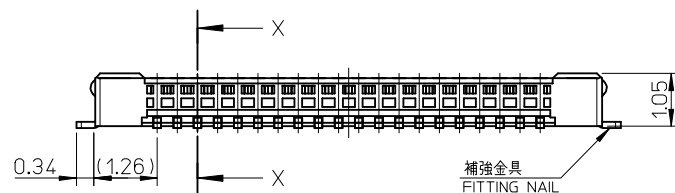
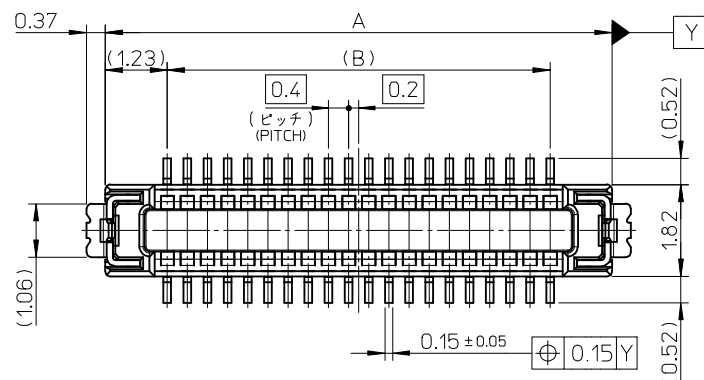
金具 FITTING NAIL

半田付け処理 (金・パラジウムコート)  
SOLDERABILITY IMPROVEMENT COAT (Au & Pd-Ni COAT)  
下地メッキ: ニッケルメッキ 1.0 マイクロメートル以上  
UNDER PLATING: NICKEL 1.0MICROMETER MINIMUM

△<sub>3</sub> (全極数/2) = 偶数の場合に適用.  
APPLY OFR (CIRCUIT/2) = EVEN.

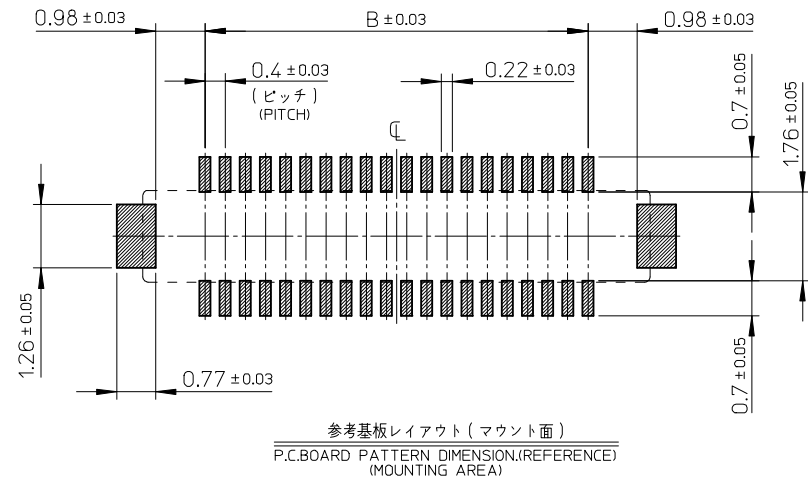
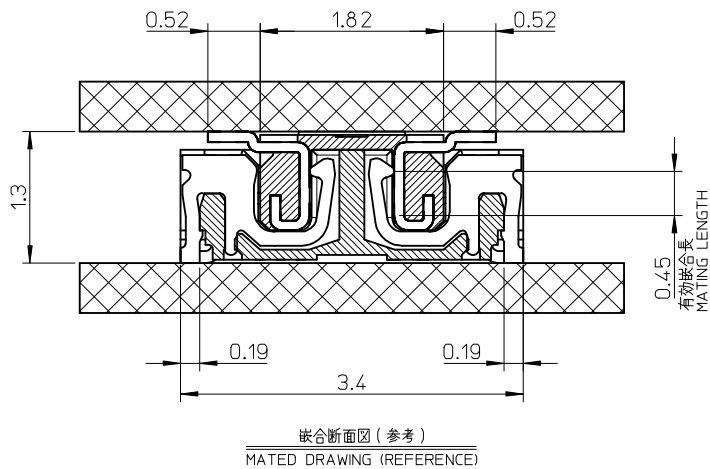
4. 嵌合相手 : 501527 シリーズ  
MATE WITH : 501527 SERIES.

5. テール平坦度は、0.08 以下  
 テール及び金具の平坦度は、0.1 以下  
 TAIL COPLANARITY TO BE 0.08MAXIMUM  
 TAIL AND FITTING NAIL  
 COPLANARITY TO BE 0.1MAXIMUM



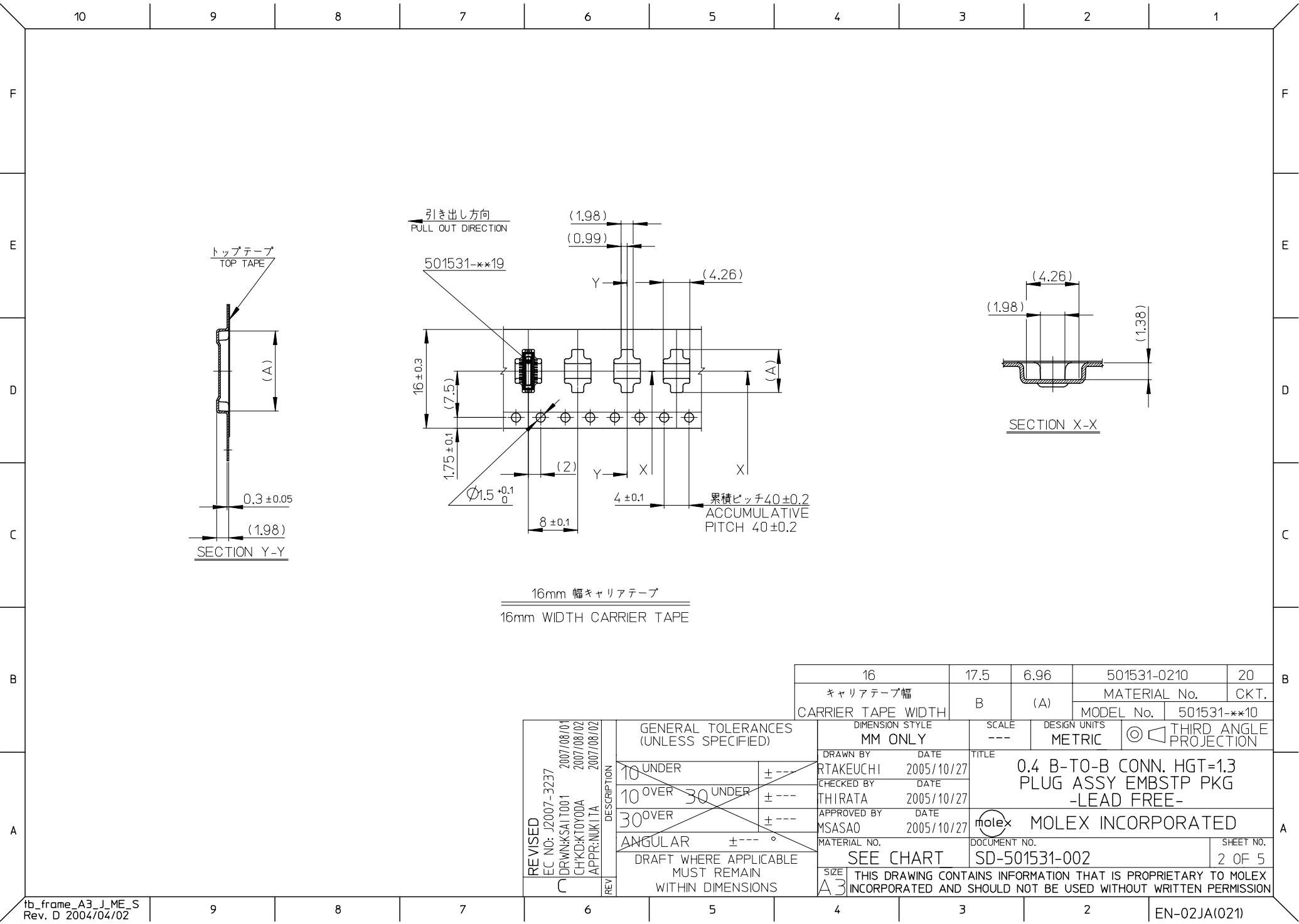
|              |       |                     |                         |                                                                                                                 |
|--------------|-------|---------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| 17.6         | 20.06 | 501531-0910         | 501531-0919             | 90                                                                                                              |
| 15.6         | 18.06 | 501531-0810         | 501531-0819             | 80                                                                                                              |
| 9.6          | 12.06 | 501531-0510         | 501531-0519             | 50                                                                                                              |
| 7.6          | 10.06 | 501531-0410         | 501531-0419             | 40                                                                                                              |
| 6.4          | 8.86  | 501531-3410         | 501531-3419             | 34                                                                                                              |
| 6.0          | 8.46  | 501531-3210         | 501531-3219             | 32                                                                                                              |
| 5.6          | 8.06  | 501531-0310         | 501531-0319             | 30                                                                                                              |
| 3.6          | 6.06  | 501531-0210         | 501531-0219             | 20                                                                                                              |
| B            | A     | EMBOSSSED TAPE PKG. | MATERIAL No.            | CKT                                                                                                             |
|              |       | ORDER No. オーダー番号    | MODEL No. : 501531-xx19 |                                                                                                                 |
| VISION STYLE |       | SCALE               | DESIGN UNITS            |                                                                                                                 |
| 1 ONLY       |       | 10:1                | METRIC                  |  THIRD ANGLE<br>PROJECTION |

|         |                                                                        |                                        |             |                                                            |        |                            |                                                                                                                                  |                                                                          |                        |                                                                                       |                           |
|---------|------------------------------------------------------------------------|----------------------------------------|-------------|------------------------------------------------------------|--------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|---------------------------|
| REVISED | EC NO: J2009-0301<br>DRAWN: MWABEJ<br>CHKD: THIRUYAMA<br>APPR: NUKITTA | 2008/08/27<br>2008/08/28<br>2008/08/28 | 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>RTAKEUCHI      | DATE<br>2005/10/25                                                                                                               | TITLE<br>0.4 B-TO-B CONN. HGT=1.3<br>PLUG ASSY [OVERMOLD]<br>-LEAD FREE- |                        |                                                                                       |                           |
|         |                                                                        |                                        |             | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>THIRATA      | DATE<br>2005/10/25                                                                                                               |                                                                          |                        |                                                                                       |                           |
|         |                                                                        |                                        |             | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>MSASAO      | DATE<br>2005/10/25                                                                                                               | MOLEX INCORPORATED                                                       |                        |                                                                                       |                           |
|         |                                                                        |                                        |             | ANGULAR ±3 °                                               |        | MATERIAL NO.               |                                                                                                                                  | DOCUMENT NO.                                                             |                        | SHEET NO.                                                                             |                           |
|         |                                                                        |                                        |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE TABLE                  |                                                                                                                                  | SD-501531-001                                                            |                        | 1 OF 2                                                                                |                           |
| D       | REV                                                                    |                                        |             |                                                            |        | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                          |                        |                                                                                       |                           |



|         |                                                                                                                |             |                                                            |        |                            |                                                                                                                                  |                                                                                                          |                        |                                                                                                                 |           |
|---------|----------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|--------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|-----------|
| REVISED | EC NO: J2009-0301<br>2008/08/27<br>DRWN: MWABEI<br>2008/08/28<br>CHKD: THIRUYAMA<br>2008/08/28<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>RTAKEUCHI      | DATE<br>2005/10/25                                                                                                               | TITLE<br>0.4 B-TO-B CONN. HGT=1.3<br>PLUG ASSY [OVERMOLD]<br>-LEAD FREE-                                 |                        |                                                                                                                 |           |
|         |                                                                                                                |             | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>THIRATA      | DATE<br>2005/10/25                                                                                                               |                                                                                                          |                        |                                                                                                                 |           |
|         |                                                                                                                |             | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>MSASAO      | DATE<br>2005/10/25                                                                                                               |  MOLEX INCORPORATED |                        |                                                                                                                 |           |
|         |                                                                                                                |             | ANGULAR ±3 °                                               |        | MATERIAL NO.               |                                                                                                                                  | DOCUMENT NO.                                                                                             |                        |                                                                                                                 | SHEET NO. |
|         |                                                                                                                |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE SHEET 1                |                                                                                                                                  | SD-501531-001                                                                                            |                        |                                                                                                                 | 2 OF 2    |
| D       |                                                                                                                | REV         |                                                            |        | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                          |                        |                                                                                                                 |           |

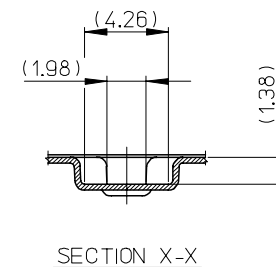
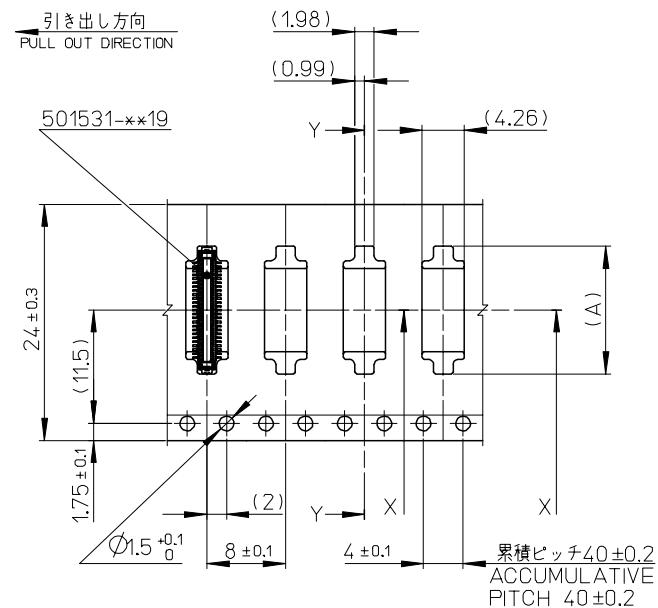
EN-02JA(021)



|              |                    |                                                                                                                               |            |                          |                        |             |      |
|--------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------|------------------------|-------------|------|
| B            | 16                 |                                                                                                                               | 17.5       | 6.96                     | 501531-0210            |             | 20   |
|              | キャリアテープ幅           |                                                                                                                               | B          | (A)                      | MATERIAL No.           |             | CKT. |
|              | CARRIER TAPE WIDTH |                                                                                                                               |            |                          | MODEL No.              | 501531-**10 |      |
|              | DIMENSION STYLE    |                                                                                                                               | SCALE      | DESIGN UNITS             | THIRD ANGLE PROJECTION |             |      |
|              | MM ONLY            |                                                                                                                               | ---        | METRIC                   |                        |             |      |
|              | DRAWN BY           |                                                                                                                               | DATE       | TITLE                    |                        |             |      |
|              | RTAKEUCHI          |                                                                                                                               | 2005/10/27 | 0.4 B-TO-B CONN. HGT=1.3 |                        |             |      |
|              | CHECKED BY         |                                                                                                                               | DATE       | PLUG ASSY EMBSTP PKG     |                        |             |      |
|              | THIRATA            |                                                                                                                               | 2005/10/27 | -LEAD FREE-              |                        |             |      |
|              | APPROVED BY        |                                                                                                                               | DATE       | MOLEX INCORPORATED       |                        |             |      |
| MSASAO       |                    | 2005/10/27                                                                                                                    | molex      |                          |                        |             |      |
| MATERIAL NO. |                    | DOCUMENT NO.                                                                                                                  |            |                          | SHEET NO.              |             |      |
| SEE CHART    |                    | SD-501531-002                                                                                                                 |            |                          | 2 OF 5                 |             |      |
| SIZE         |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |                          |                        |             |      |
| A3           |                    |                                                                                                                               |            |                          |                        |             |      |

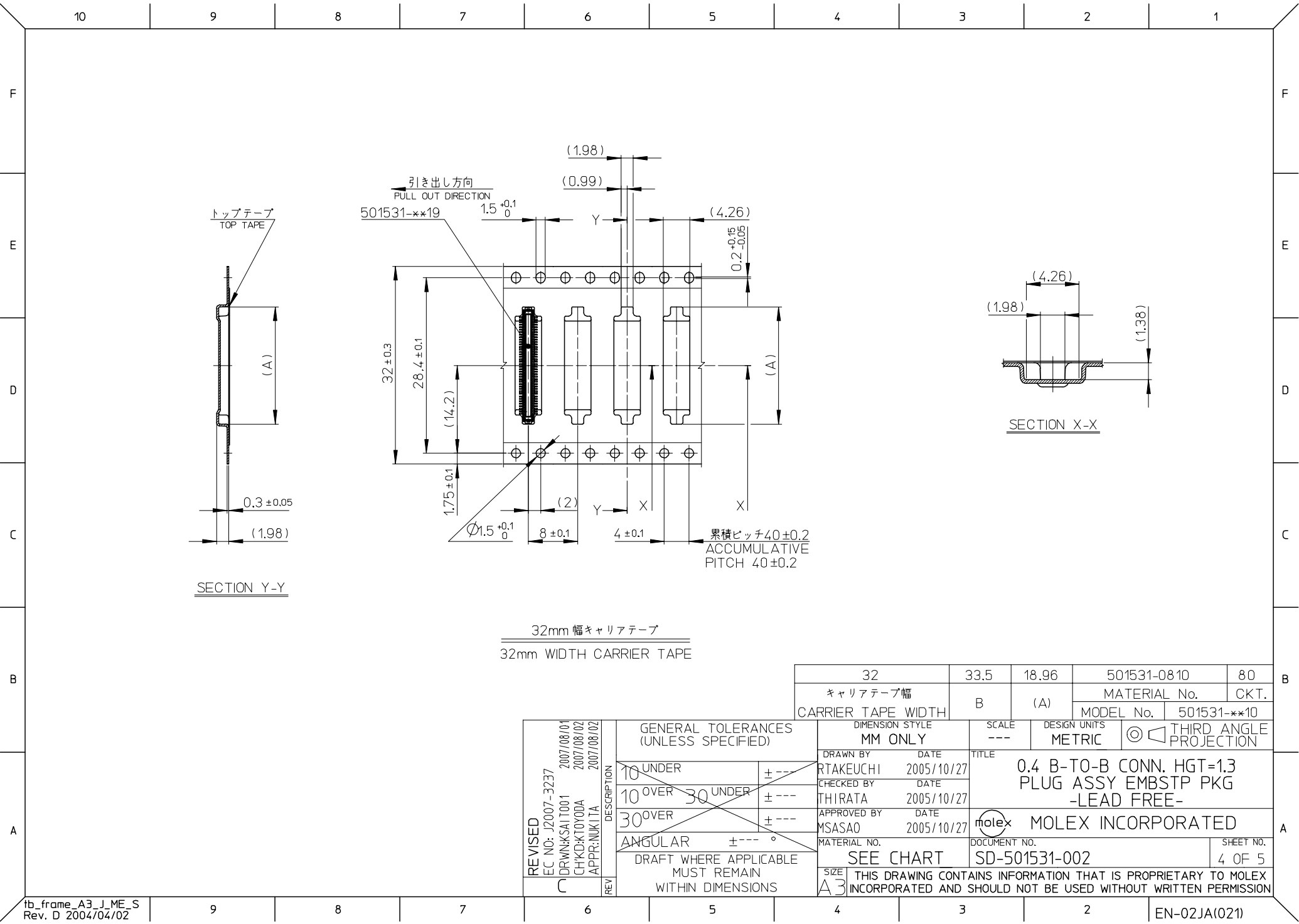
|         |  |                                                      |  |            |  |            |  |
|---------|--|------------------------------------------------------|--|------------|--|------------|--|
| REVISED |  | EC NO: J2007-3237                                    |  | 2007/08/01 |  | 2007/08/02 |  |
| C       |  | DRW:KSAI1001                                         |  | 2007/08/01 |  | 2007/08/02 |  |
|         |  | CHK:KATOYODA                                         |  | 2007/08/01 |  | 2007/08/02 |  |
|         |  | APPR:NUKITA                                          |  | 2007/08/01 |  | 2007/08/02 |  |
| REV     |  | DESCRIPTION                                          |  |            |  |            |  |
|         |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  |            |  |            |  |
|         |  | 10 UNDER                                             |  | ± ---      |  |            |  |
|         |  | 10 OVER 30 UNDER                                     |  | ± ---      |  |            |  |
|         |  | 30 OVER                                              |  | ± ---      |  |            |  |
|         |  | ANGULAR                                              |  | ± --- °    |  |            |  |
|         |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |            |  |            |  |

|                    |  |   |   |   |   |   |   |   |   |              |  |
|--------------------|--|---|---|---|---|---|---|---|---|--------------|--|
| tb_frame_A3_J_ME_S |  | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | EN-02JA(021) |  |
| Rev. D 2004/04/02  |  |   |   |   |   |   |   |   |   |              |  |



|                                |      |       |              |             |      |
|--------------------------------|------|-------|--------------|-------------|------|
| 24                             | 25.5 | 12.96 | 501531-0510  |             | 50   |
|                                |      | 10.96 | 501531-0410  |             | 40   |
|                                |      | 9.76  | 501531-3410  |             | 34   |
|                                |      | 9.36  | 501531-3210  |             | 32   |
|                                |      | 8.96  | 501531-0310  |             | 30   |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | B    | (A)   | MATERIAL No. |             | CKT. |
|                                |      |       | MODEL No.    | 501531-**10 |      |

|         |                                                                    |                                        |             |                                                                                                                                  |                  |                            |                    |                                                                          |                        |                                                                                       |                           |
|---------|--------------------------------------------------------------------|----------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------|--------------------|--------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|---------------------------|
| REVISED | EC NO: J2007-3237<br>DRWNG:SAI T001<br>CHKD:KTOYODA<br>APPR:NUKITA | 2007/08/01<br>2007/08/02<br>2007/08/02 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |                  | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>---                                                             | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |
|         |                                                                    |                                        |             | <del>10 UNDER</del>                                                                                                              | <del>± ---</del> | DRAWN BY<br>RTAKEUCHI      | DATE<br>2005/10/27 | TITLE<br>0.4 B-TO-B CONN. HGT=1.3<br>PLUG ASSY EMBSTP PKG<br>-LEAD FREE- |                        |                                                                                       |                           |
|         |                                                                    |                                        |             | <del>10 OVER 30 UNDER</del>                                                                                                      | <del>± ---</del> | CHECKED BY<br>THIRATA      | DATE<br>2005/10/27 |                                                                          |                        |                                                                                       |                           |
|         |                                                                    |                                        |             | <del>30 OVER</del>                                                                                                               | <del>± ---</del> | APPROVED BY<br>MSASAO      | DATE<br>2005/10/27 |                                                                          |                        |                                                                                       |                           |
|         |                                                                    |                                        |             | ANGULAR                                                                                                                          | ± --- °          | MATERIAL NO.               |                    | DOCUMENT NO.                                                             |                        | SHEET NO.                                                                             |                           |
|         |                                                                    |                                        |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |                  | SEE CHART                  |                    | SD-501531-002                                                            |                        | 3 OF 5                                                                                |                           |
|         |                                                                    |                                        | REV         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  |                            |                    |                                                                          |                        |                                                                                       |                           |

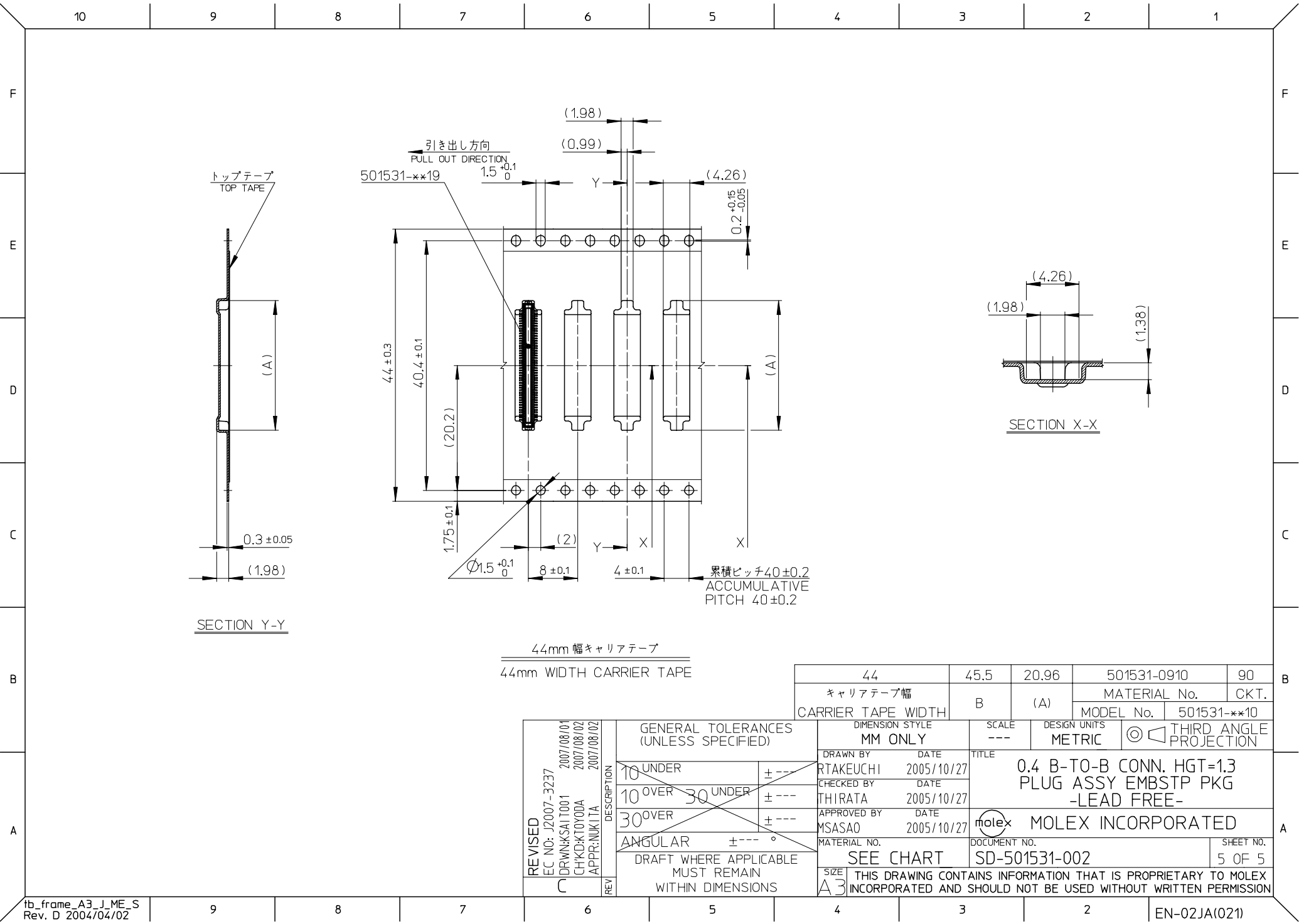


SECTION Y-Y

SECTION X-X

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

|                                |                    |                                                                                                                                  |                        |                           |
|--------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|
| 32                             | 33.5               | 18.96                                                                                                                            | 501531-0810            | 80                        |
| キャリアテープ幅<br>CARRIER TAPE WIDTH |                    | B                                                                                                                                | (A)                    | CKT.                      |
|                                |                    | MODEL No.                                                                                                                        |                        | 501531-xx10               |
| DIMENSION STYLE<br>MM ONLY     |                    | SCALE<br>---                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
| DRAWN BY<br>RTAKEUCHI          | DATE<br>2005/10/27 | TITLE<br>0.4 B-TO-B CONN. HGT=1.3<br>PLUG ASSY EMBSTP PKG<br>-LEAD FREE-                                                         |                        |                           |
| CHECKED BY<br>THIRATA          | DATE<br>2005/10/27 |                                                                                                                                  |                        |                           |
| APPROVED BY<br>MSASAO          | DATE<br>2005/10/27 | MOLEX INCORPORATED                                                                                                               |                        |                           |
| MATERIAL NO.                   |                    | DOCUMENT NO.<br>SD-501531-002                                                                                                    |                        | SHEET NO.<br>4 OF 5       |
| SIZE<br>A3                     |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |



SECTION Y-Y

SECTION X-X

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

|                    |                                                                                                                               |                    |                                                                 |              |              |      |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------|--------------|--------------|------|
| 44                 |                                                                                                                               | 45.5               | 20.96                                                           | 501531-0910  |              | 90   |
| キャリアテープ幅           |                                                                                                                               | B                  | (A)                                                             | MATERIAL No. |              | CKT. |
| CARRIER TAPE WIDTH |                                                                                                                               |                    |                                                                 | MODEL No.    | 501531-***10 |      |
| S                  | DIMENSION STYLE                                                                                                               |                    | SCALE                                                           | DESIGN UNITS | THIRD ANGLE  |      |
|                    | MM ONLY                                                                                                                       |                    | ---                                                             | METRIC       | PROJECTION   |      |
|                    | DRAWN BY                                                                                                                      | DATE               | TITLE                                                           |              |              |      |
|                    | RTAKEUCHI                                                                                                                     | 2005/10/27         |                                                                 |              |              |      |
|                    | CHECKED BY                                                                                                                    | DATE               | 0.4 B-TO-B CONN. HGT=1.3<br>PLUG ASSY EMBSTP PKG<br>-LEAD FREE- |              |              |      |
| THIRATA            | 2005/10/27                                                                                                                    |                    |                                                                 |              |              |      |
| APPROVED BY        | DATE                                                                                                                          | MOLEX INCORPORATED |                                                                 |              |              |      |
| MSASAO             | 2005/10/27                                                                                                                    |                    |                                                                 |              |              |      |
| LE                 | MATERIAL NO.                                                                                                                  | DOCUMENT NO.       |                                                                 |              | SHEET NO.    |      |
|                    | SEE CHART                                                                                                                     | SD-501531-002      |                                                                 |              | 5 OF 5       |      |
|                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                 |              |              |      |