

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0527933070](#)  
**Status:** **Active**  
**Overview:**  
**Description:** 1.00mm (.039") Pitch Right Angle, SMT, Non-ZIF, Top Contact Style, 30 Circuits, Lead-free

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family FFC/FPC Connectors  
Series 52793  
Overview ffc\_fpc\_smt  
Product Name N/A

**Physical**

Circuits (Loaded) 30  
Contact Position Top  
Durability (mating cycles max) 10  
Entry Angle 90° Angle  
Flammability 94V-0  
Mated Height (in) 0.122 In  
Mated Height (mm) 3.10 mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Tin-Bismuth  
Material - Plating Termination Tin-Bismuth  
Number of Rows 1  
Orientation Right Angle  
PCB Locator No  
PCB Retention Yes  
Packaging Type Embossed Tape on Reel  
Pitch - Mating Interface (in) 0.039 In  
Pitch - Mating Interface (mm) 1.00 mm  
Plating min: Mating (µin) 40  
Plating min: Mating (µm) 1  
Plating min: Termination (µin) 40  
Plating min: Termination (µm) 1  
Polarized to PCB No  
Stackable No  
Temperature Range - Operating -20°C to +85°C  
Termination Interface: Style Surface Mount  
Wire/Cable Type FFC/FPC

**Electrical**

Current - Maximum per Contact 0.5A  
Voltage - Maximum 50V

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification SPK-52793-001  
Product Specification PS-52793-014, RPS-52793-010, RPS-52793-016,  
RPS-52793-018, RPS-52793-019, RPS-52793-020,  
RPS-52793-021, RPS-52793-024  
Sales Drawing SD-52793-011, SD-52793-012

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**

**China RoHS**



**Not Reviewed**

**Need more information on product environmental compliance?**

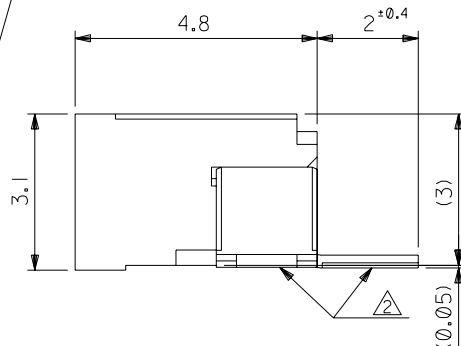
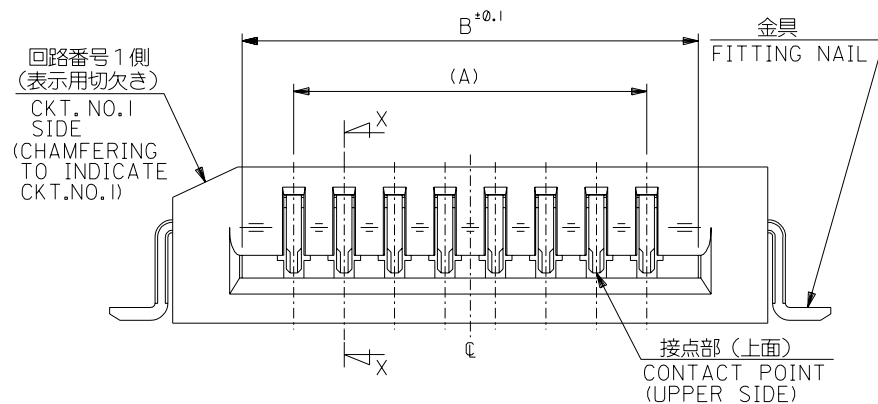
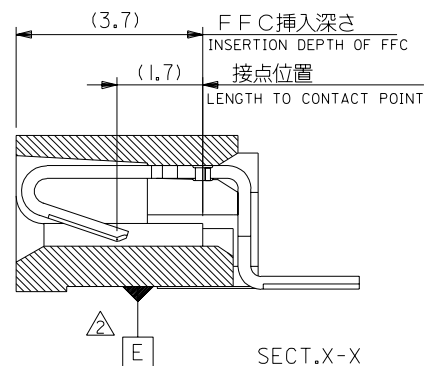
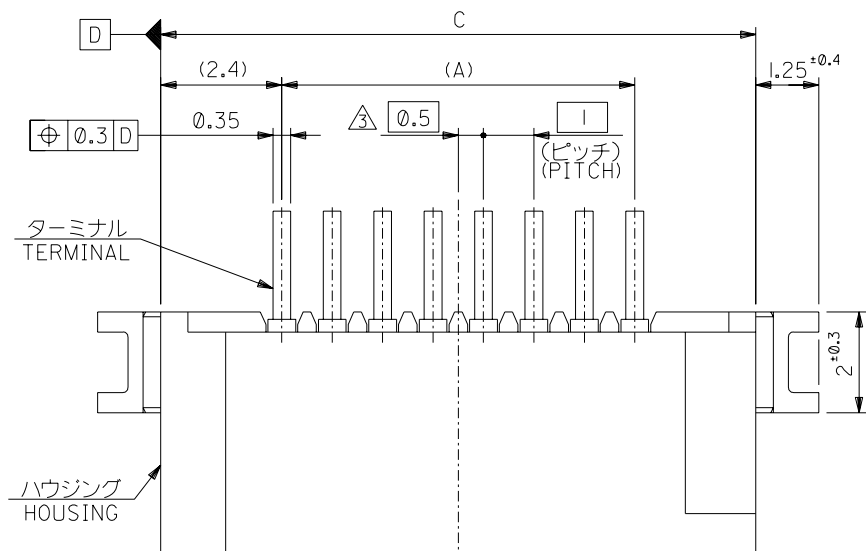
Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[52793Series](#)

This document was generated on 06/05/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**



|      |       |    |             |               |
|------|-------|----|-------------|---------------|
| 33.8 | 31.05 | 29 | 52793-3019  | 30            |
| 32.8 | 30.05 | 28 | -2919       | 29            |
| 31.8 | 29.05 | 27 | -2819       | 28            |
| 30.8 | 28.05 | 26 | -2719       | 27            |
| 29.8 | 27.05 | 25 | -2619       | 26            |
| 28.8 | 26.05 | 24 | -2519       | 25            |
| 27.8 | 25.05 | 23 | -2419       | 24            |
| 26.8 | 24.05 | 22 | -2319       | 23            |
| 25.8 | 23.05 | 21 | -2219       | 22            |
| 24.8 | 22.05 | 20 | -2119       | 21            |
| 23.8 | 21.05 | 19 | -2019       | 20            |
| 22.8 | 20.05 | 18 | -1919       | 19            |
| 21.8 | 19.05 | 17 | -1819       | 18            |
| 20.8 | 18.05 | 16 | -1719       | 17            |
| 19.8 | 17.05 | 15 | -1619       | 16            |
| 18.8 | 16.05 | 14 | -1519       | 15            |
| 17.8 | 15.05 | 13 | -1419       | 14            |
| 16.8 | 14.05 | 12 | -1319       | 13            |
| 15.8 | 13.05 | 11 | -1219       | 12            |
| 14.8 | 12.05 | 10 | -1119       | 11            |
| 13.8 | 11.05 | 9  | -1019       | 10            |
| 12.8 | 10.05 | 8  | -0919       | 9             |
| 11.8 | 9.05  | 7  | -0819       | 8             |
| 10.8 | 8.05  | 6  | -0719       | 7             |
| 9.8  | 7.05  | 5  | -0619       | 6             |
| 8.8  | 6.05  | 4  | -0519       | 5             |
| 7.8  | 5.05  | 3  | -0419       | 4             |
| 6.8  | 4.05  | 2  | 52793-0319  | 3             |
| C    | B     | A  | MATERIAL NO | 極數<br>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: | EC NO.<br>DRWN:<br>CHK:<br>APPR: | RECEIVED<br>EC NO. J2004-1419<br>DRWN: HKAWABATA '03/12/09<br>CHK: K.TOJO '03/12/09<br>APPR: H. Saito '03/12/09 | DESCRIPTION | MATERIAL<br>材料       | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)<br>一般公差                                                                                 | SCALE<br>10:1 | 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<br>INCH <input checked="" type="checkbox"/> mm<br>ONLY | REVISE ON<br>CAD ONLY |
|                                  |                                  |                                  |                                  |                                                                                                                 |             | FINISH<br>仕上り        | 10 UNDER<br>未満                                                                                                                    | ±0.2          | DRAWN BY & DATE<br>H.KAWABATA '03/12/09                                              | TITLE:<br>1.0 FFC CONN. NON ZIF SMT R/A<br>(UPPER CONTACT) -LEAD FREE- |                                                                                                                        |                       |
|                                  |                                  |                                  |                                  |                                                                                                                 |             |                      | 10 OVER<br>以上 30 UNDER<br>未満                                                                                                      | ±0.25         | CHECKED BY & DATE<br>K.TOJO '03/12/09                                                |                                                                        |                                                                                                                        |                       |
|                                  |                                  |                                  |                                  |                                                                                                                 |             |                      | 30 OVER<br>以上                                                                                                                     | ±0.3          | APPROVED BY & DATE<br>M. Saito '03/12/09                                             |                                                                        |                                                                                                                        |                       |
|                                  |                                  |                                  |                                  |                                                                                                                 |             | WIRE RANGE<br>適用電線範囲 | ANGLE 角度                                                                                                                          | ±3°           | CAD FILENAME<br>SD-52793-011.S01                                                     | MATERIAL NO.<br>52793-**-19                                            | DRAWING NO.<br>SD-52793-011                                                                                            | SHEET NO.<br>1 OF 2   |
|                                  |                                  |                                  |                                  |                                                                                                                 | REV         | 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                                                              |                                                                                                                        |                       |

DWG. NO. SD-52793-011

F

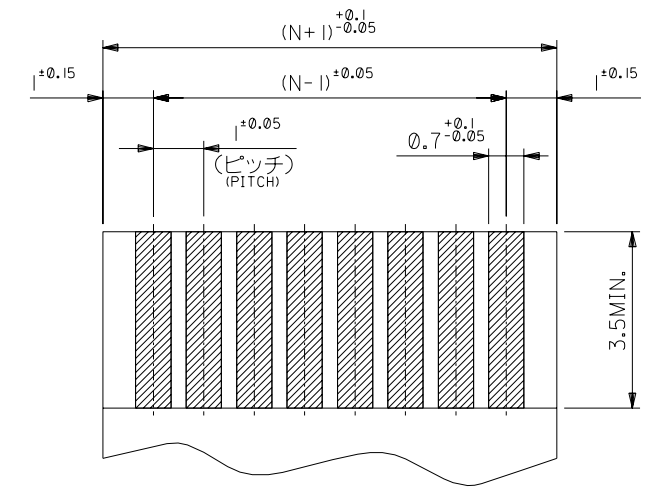
D

V

C

B

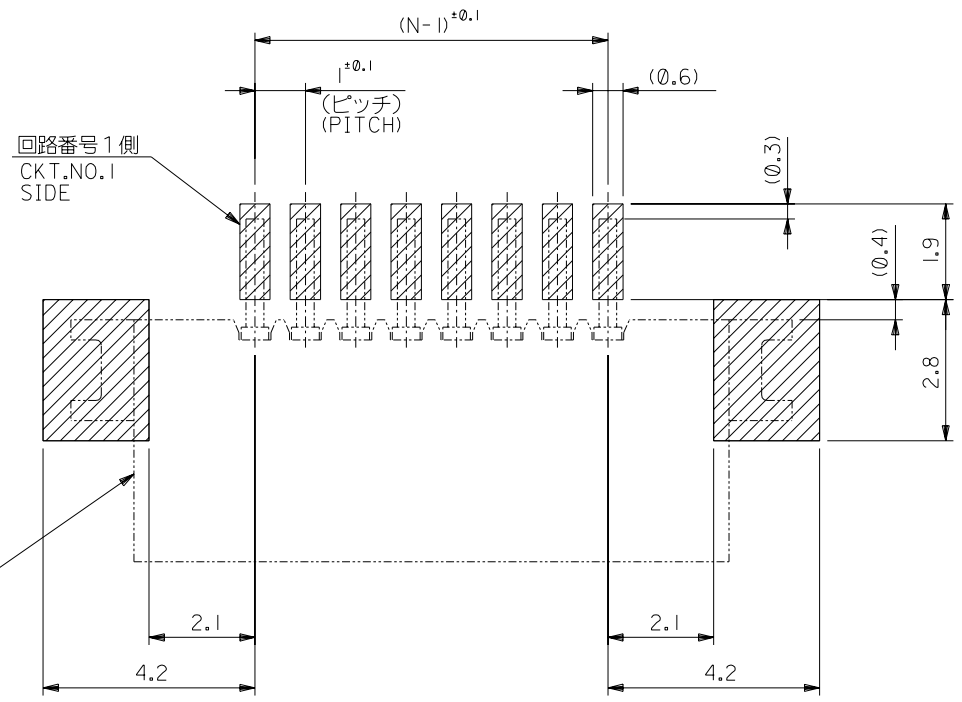
DO NOT SCALE DRAWING



(仕上がり厚さ0.3±0.03)  
THICKNESS  
適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION.

注記 NOTES:

1. 使用材料 MATERIAL  
ハウジング : PPS, UL94V-0  
ターミナル : リン青銅 (t=0.25)  
メッキ : ニッケル下地錫ヒスマメッキ  
金具 : リン青銅 (t=0.25)  
メッキ : ニッケル下地純銅メッキ
- HOUSING : PPS, UL94V-0  
TERMINAL : PHOSPHOR BRONZE  
PLATING : Sn-Bi OVER Ni  
FITTING NAIL : PHOSPHOR BRONZE  
PLATING : Sn OVER Ni
- ② 基準面 E からのもルダールとフィッティングネイルの半田付け面のズレ量は、  
上方向に0.1MAX. 下方向0.15MAX. とする。  
MISALIGNMENT OF SOLDER TAIL AND FITTING NAIL FROM E  
: UPPER DIRECTION 0.1 MAX. , LOWER DIRECTION 0.15 MAX.
- ③ 偶数極に適用。  
APPLY FOR EVEN CKT.



参考基板レイアウト (マウント面)

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

4. 本製品は 52793-\*\*10 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 52793-\*\*10

|                                                                                                                                   |  |                                  |  |                                  |  |                                  |  |                    |             |                      |                   |                                                   |                |                                       |                                                                                      |                                                                                                                 |                                                                                                                        |                       |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|----------------------------------|--|----------------------------------|--|--------------------|-------------|----------------------|-------------------|---------------------------------------------------|----------------|---------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------|--|--|
| EC NO.<br>DRWN:<br>CHK:<br>APPR:                                                                                                  |  | EC NO.<br>DRWN:<br>CHK:<br>APPR: |  | EC NO.<br>DRWN:<br>CHK:<br>APPR: |  | EC NO.<br>DRWN:<br>CHK:<br>APPR: |  | SEE SHEET 1 OF 2   | DESCRIPTION | MATERIAL<br>材料       | 注記参照<br>SEE NOTES | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)<br>一般公差 |                | SCALE<br>10:1                         | 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<br>INCH <input checked="" type="checkbox"/> mm<br>ONLY | REVISE ON<br>CAD ONLY |  |  |
|                                                                                                                                   |  |                                  |  |                                  |  |                                  |  |                    |             | FINISH<br>仕上         |                   |                                                   | 10 UNDER<br>未満 | ±0.2                                  | DRAWN BY & DATE<br>H.KAWABATA '03/12/09                                              |                                                                                                                 | TITLE:<br>1.0 FFC CONN. NON ZIF SMT R/A<br>(UPPER CONTACT) -LEAD FREE-                                                 |                       |  |  |
|                                                                                                                                   |  |                                  |  |                                  |  |                                  |  |                    |             |                      |                   | 10 OVER 30 UNDER<br>以上 未満                         | ±0.25          | CHECKED BY & DATE<br>K.TOJO '03/12/09 |                                                                                      |                                                                                                                 |                                                                                                                        |                       |  |  |
|                                                                                                                                   |  |                                  |  |                                  |  |                                  |  |                    |             | WIRE RANGE<br>適用電線範囲 |                   |                                                   | 30 OVER<br>以上  | ±0.3                                  | APPROVED BY & DATE<br>M. Sasao '03/12/09                                             |                                                                                                                 | MOLEX INCORPORATED                                                                                                     |                       |  |  |
|                                                                                                                                   |  |                                  |  |                                  |  |                                  |  | INS. RANGE<br>被覆外径 |             | ANGLE 角度             | ±3°               | CAD FILENAME<br>SD-52793-011.S02                  |                | MATERIAL NO.<br>52793-**-19           | DRAWING NO.<br>SD-52793-011                                                          | SHEET NO.<br>2 OF 2                                                                                             |                                                                                                                        |                       |  |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |                                  |  |                                  |  |                                  |  |                    |             |                      |                   |                                                   |                |                                       |                                                                                      |                                                                                                                 |                                                                                                                        |                       |  |  |

SD-52793-011.502

10 9 8 7 6 5 4 3 2 1

F

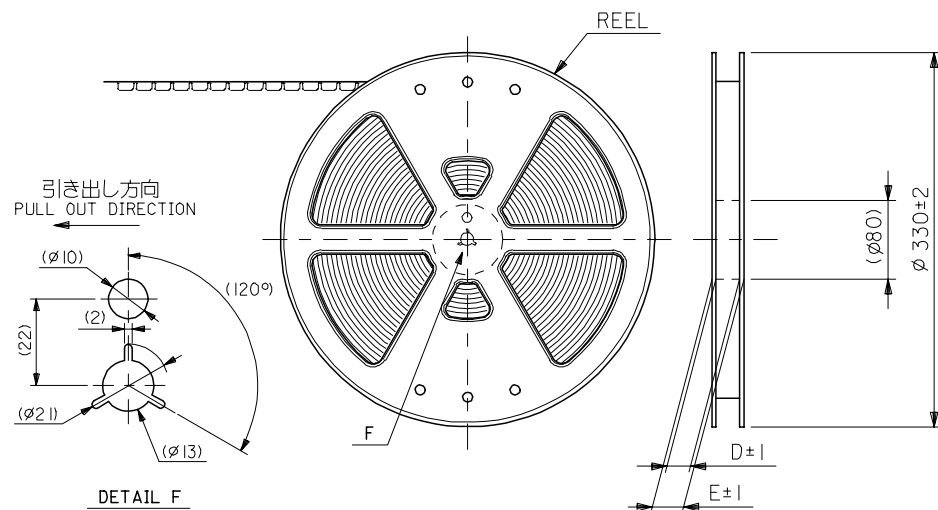
E

D

C

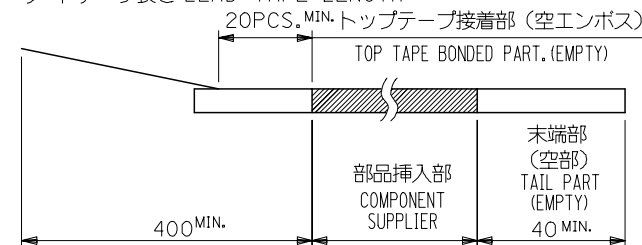
B

A

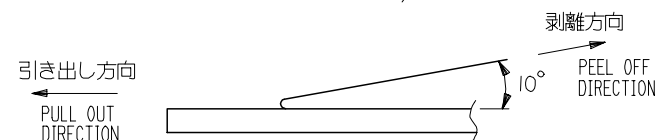


## NOTES

- 製品詳細寸法については 製品単体図面 を参照下さい。  
RE DETAILED DIMENSION, SEE SALES DRAWING FOR CONNECTOR.
- 梱包数量: 1000個/リール  
NUMBER OF CONNECTORS: 1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH

引き出し方向  
PULL OUT  
DIRECTION

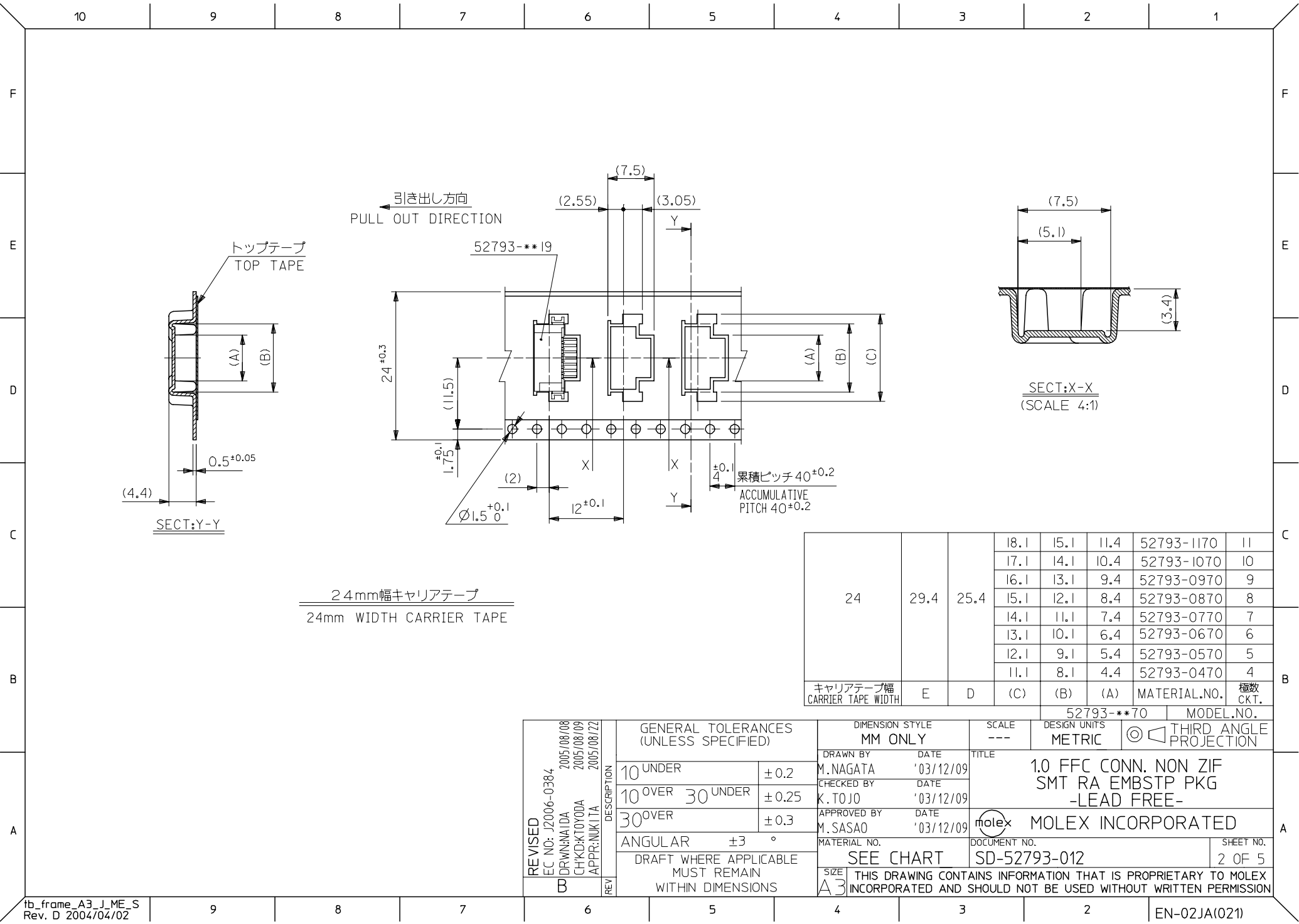
- トップテープの剥離強度: 0.1-1.3 N(10-130gf) (剥離方向は下図参照)  
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)  
PEELING OFF FORCE OF TOP TAPE: 0.1-1.3 N(10-130gf)  
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.  
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.

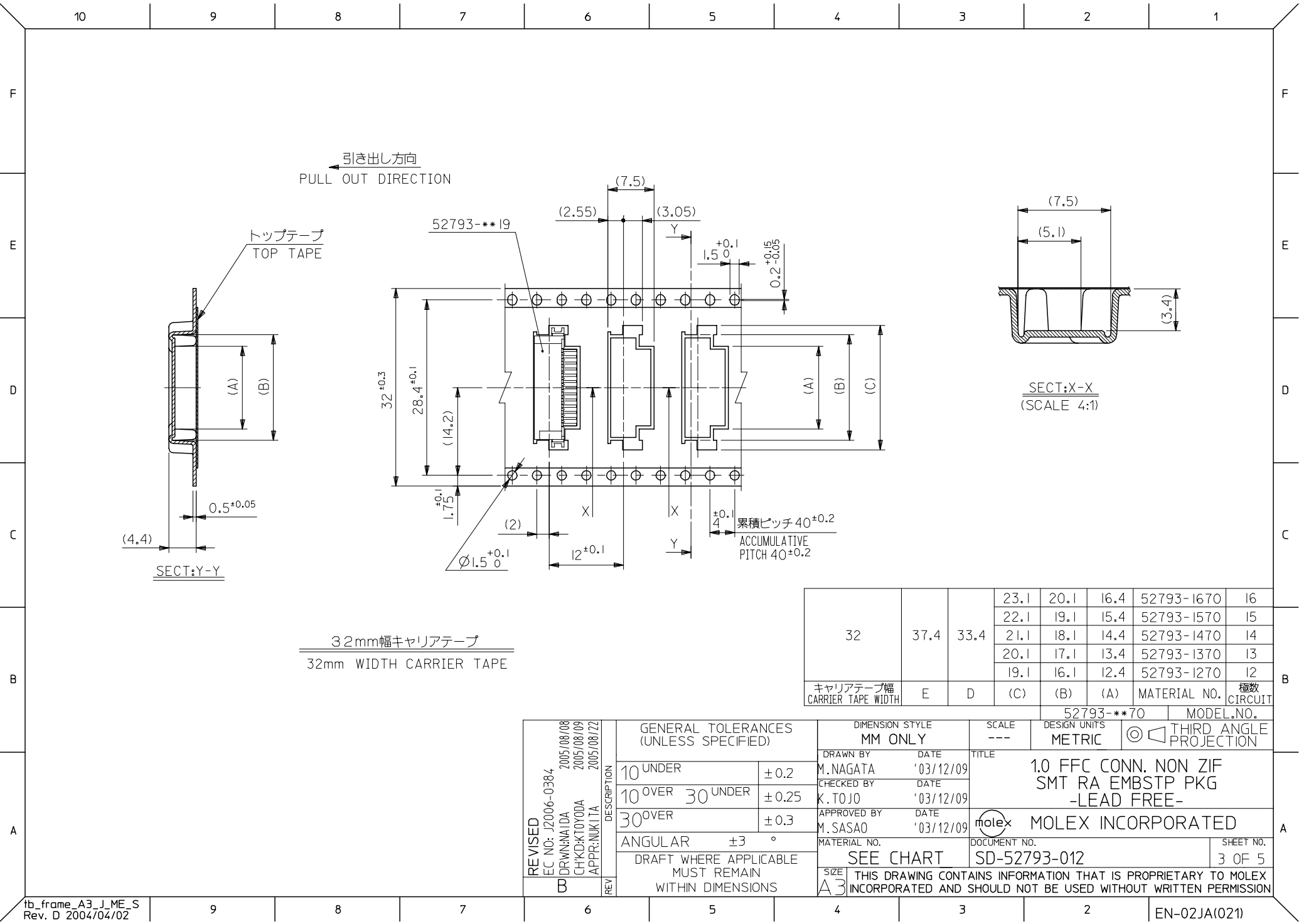


- 材料(MATERIAL)  
キャリアテープ(CARRIER TAPE): ポリプロピレン(POLYPROPYLENE)  
トップテープ(TOPTAPE): PET, PE, PEF  
リール(REEL): ポリスチレン(PS) <リサイクル材を含む>  
POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>
- 本製品は 52793-\*\*\*90 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 52793-\*\*\*90

52793-\*\*\*90 MODEL NO.

|         |                   |                                                                                                                                  |                            |                           |             |                                                            |        |                            |                   |                                                                    |                        |                                                                                       |                           |                                                                                       |                    |              |           |
|---------|-------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|-------------|------------------------------------------------------------|--------|----------------------------|-------------------|--------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|--------------------|--------------|-----------|
| REVISED | EC NO: J2006-0384 | 2005/08/08<br>DRAWN:DAIDA                                                                                                        | 2005/08/09<br>CHK:KATOYODA | 2005/08/22<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>M. NAGATA      | DATE<br>'03/12/09 | TITLE<br>1.0 FFC CONN. NON ZIF<br>SMT RA EMBSTP PKG<br>-LEAD FREE- |                        |                                                                                       |                           |                                                                                       |                    |              |           |
|         |                   |                                                                                                                                  |                            |                           |             | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>K. TOJO      | DATE<br>'03/12/09 |                                                                    |                        |                                                                                       |                           |                                                                                       |                    |              |           |
|         |                   |                                                                                                                                  |                            |                           |             | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>M. SASAO    | DATE<br>'03/12/09 |                                                                    |                        |                                                                                       |                           |  | MOLEX INCORPORATED |              |           |
|         |                   |                                                                                                                                  |                            |                           |             | ANGULAR ±3 °                                               |        | MATERIAL NO.               |                   |                                                                    |                        |                                                                                       |                           |                                                                                       |                    | DOCUMENT NO. | SHEET NO. |
|         |                   |                                                                                                                                  |                            |                           |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE CHART                  |                   |                                                                    |                        |                                                                                       |                           |                                                                                       |                    | SD-52793-012 | 1 OF 5    |
| REV     | B                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                           |             |                                                            |        |                            |                   |                                                                    |                        |                                                                                       |                           |                                                                                       |                    |              |           |





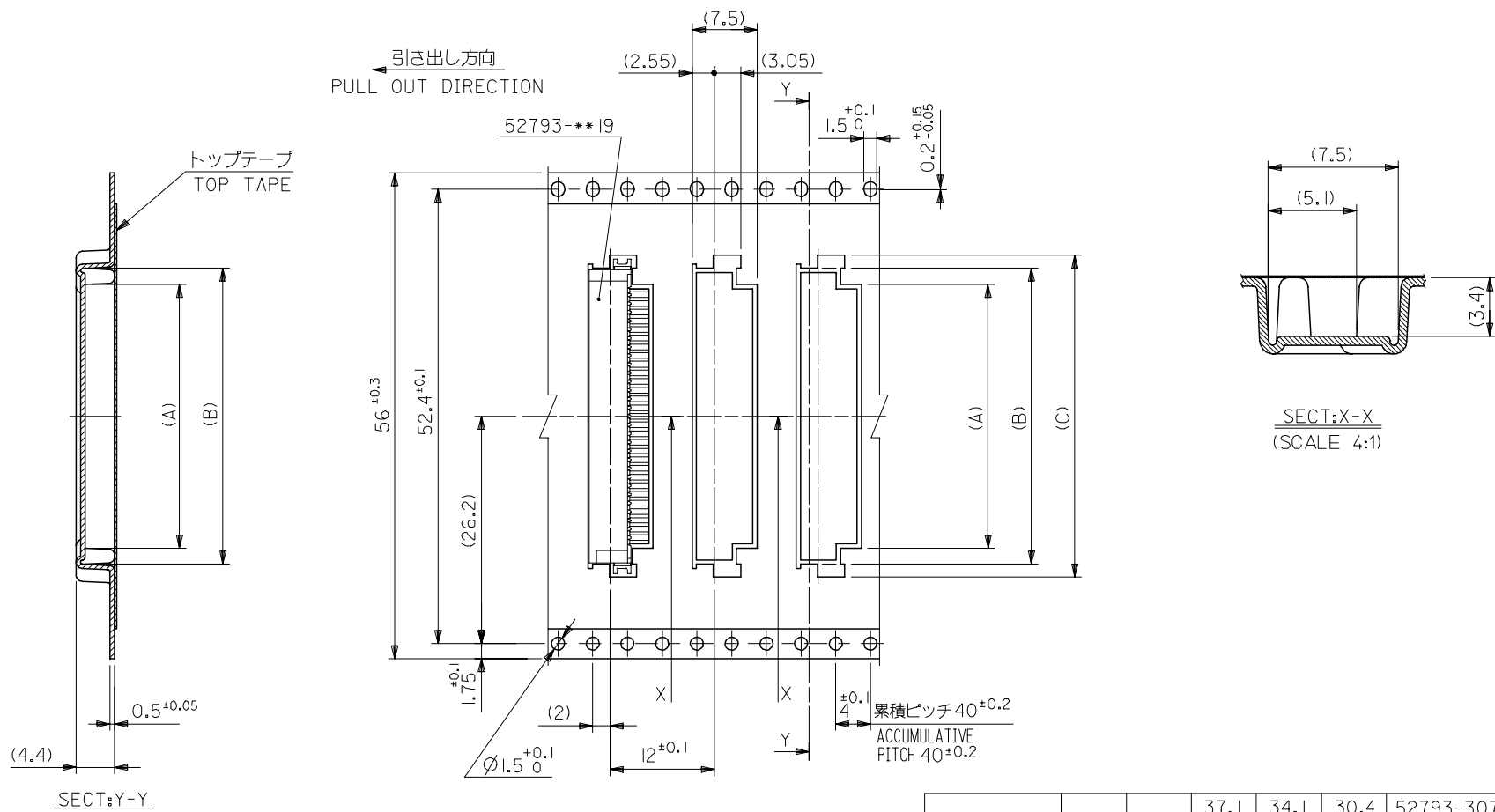
32mm幅キャリアテープ  
32mm WIDTH CARRIER TAPE

|                                |      |      |      |      |      |              |               |
|--------------------------------|------|------|------|------|------|--------------|---------------|
| 32                             | 37.4 | 33.4 | 23.1 | 20.1 | 16.4 | 52793-1670   | I6            |
|                                |      |      | 22.1 | 19.1 | 15.4 | 52793-1570   | I5            |
|                                |      |      | 21.1 | 18.1 | 14.4 | 52793-1470   | I4            |
|                                |      |      | 20.1 | 17.1 | 13.4 | 52793-1370   | I3            |
|                                |      |      | 19.1 | 16.1 | 12.4 | 52793-1270   | I2            |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | E    | D    | (C)  | (B)  | (A)  | MATERIAL NO. | 極数<br>CIRCUIT |

|                                   |                                           |                                        |                    |                                                            |       |                            |                                                                                                                                  |                                                           |                        |                                                                                                                 |  |
|-----------------------------------|-------------------------------------------|----------------------------------------|--------------------|------------------------------------------------------------|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO: J2006-0384<br>B | DRWN:NAIDA<br>CHKD:KTOY00A<br>APPR:NUKITA | 2005/08/08<br>2005/08/09<br>2005/08/22 | 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  | M. NAGATA                  | '03/12/09                                                                                                                        | 1.0 FFC CONN. NON ZIF<br>SMT RA EMBSTP PKG<br>-LEAD FREE- |                        |                                                                                                                 |  |
|                                   |                                           |                                        |                    | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY<br>K. TOJO      | DATE<br>'03/12/09                                                                                                                |                                                           |                        |                                                                                                                 |  |
|                                   |                                           |                                        |                    | 30 OVER                                                    | ±0.3  | APPROVED BY<br>M. SASAO    | DATE<br>'03/12/09                                                                                                                | MOLEX INCORPORATED                                        |                        |                                                                                                                 |  |
|                                   |                                           |                                        |                    | ANGULAR                                                    | ±3 °  | MATERIAL NO.               |                                                                                                                                  |                                                           |                        |                                                                                                                 |  |
|                                   |                                           |                                        |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE CHART                  |                                                                                                                                  | SD-52793-012                                              |                        | 3 OF 5                                                                                                          |  |
|                                   |                                           |                                        |                    |                                                            |       | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                           |                        |                                                                                                                 |  |







56mm幅キャリアテープ  
56mm WIDTH CARRIER TAPE

|                                |      |      |      |      |      |              |               |
|--------------------------------|------|------|------|------|------|--------------|---------------|
| 56                             | 61.4 | 57.4 | 37.1 | 34.1 | 30.4 | 52793-3070   | 30            |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | E    | D    | 36.1 | 33.1 | 29.4 | 52793-2970   | 29            |
|                                |      |      | 35.1 | 32.1 | 28.4 | 52793-2870   | 28            |
|                                |      |      | (C)  | (B)  | (A)  | MATERIAL NO. | 極数<br>CIRCUIT |

|                                                                        |  |                                        |  |                                                            |  |                            |  |                                                                    |  |                              |  |                                                                                                                                  |  |
|------------------------------------------------------------------------|--|----------------------------------------|--|------------------------------------------------------------|--|----------------------------|--|--------------------------------------------------------------------|--|------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO: J2006-0384<br>DRW:NAIDA<br>CHK:KTOYODA<br>APP:NUKITA |  | 2005/08/08<br>2005/08/09<br>2005/08/22 |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>---                                                       |  | DESIGN UNITS<br>METRIC       |  | THIRD ANGLE<br>PROJECTION                                                                                                        |  |
| 10 UNDER                                                               |  | $\pm 0.2$                              |  | DRAWN BY<br>M. NAGATA                                      |  | DATE<br>'03/12/09          |  | TITLE<br>1.0 FFC CONN. NON ZIF<br>SMT RA EMBSTP PKG<br>-LEAD FREE- |  | MOLEX INCORPORATED           |  | SHEET NO.<br>5 OF 5                                                                                                              |  |
| 10 <sup>OVER</sup> 30 UNDER                                            |  | $\pm 0.25$                             |  | CHECKED BY<br>K. TOJO                                      |  | DATE<br>'03/12/09          |  | MATERIAL NO.<br>SEE CHART                                          |  | DOCUMENT NO.<br>SD-52793-012 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
| 30 <sup>OVER</sup>                                                     |  | $\pm 0.3$                              |  | APPROVED BY<br>M. SASAO                                    |  | DATE<br>'03/12/09          |  | SIZE<br>A3                                                         |  |                              |  |                                                                                                                                  |  |
| ANGULAR                                                                |  | $\pm 3^\circ$                          |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |                            |  |                                                                    |  |                              |  |                                                                                                                                  |  |