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**Part Number:** [0529011074](#)  
**Status:** **Active**  
**Description:** 0.635mm (.025") Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical Stacking, 11.00 to 16.00mm (.433 to .630") Stacking Heights, Embossed Tape with Cover Packaging, 100 Circuits, Lead-free

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| <b>Documents:</b>             |                                                          |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-52760-015 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

**Agency Certification**

UL E29179

**General**

Product Family PCB Receptacles  
Series [52901](#)  
Application Board-to-Board  
Product Name SlimStack™

**Physical**

Circuits (Loaded) 100  
Color - Resin White  
Durability (mating cycles max) 50  
Flammability 94V-0  
Glow-Wire Compliant No  
Lock to Mating Part None  
Mated Height (mm) 11.00 mm, 12.00 mm, 13.00 mm, 14.00 mm, 15.00 mm, 16.00 mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Number of Rows 2  
Orientation Vertical  
PCB Locator Yes  
PCB Retention Yes  
Packaging Type Embossed Tape on Reel  
Pitch - Mating Interface (in) 0.025 In  
Pitch - Mating Interface (mm) 0.64 mm  
Polarized to PCB Yes  
Robotic Placement Pick and Place Cap  
Temperature Range - Operating -55°C to +85°C  
Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 0.5A  
Voltage - Maximum 100V

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-52760-015, RPS-52760-028, RPS-52901-012  
Sales Drawing SD-52901-008, SD-52901-009, SD-52901-015

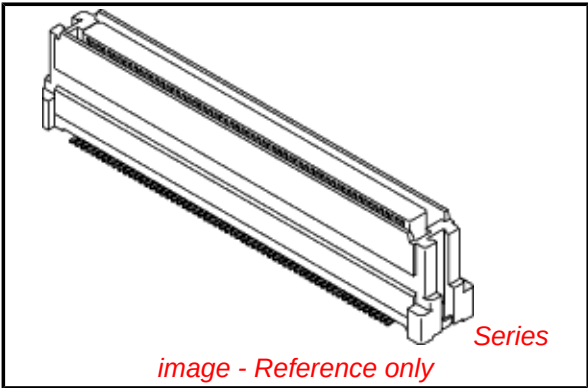


image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
Not Reviewed  
**Halogen-Free  
Status**

**China RoHS**



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environmental compliance?**

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

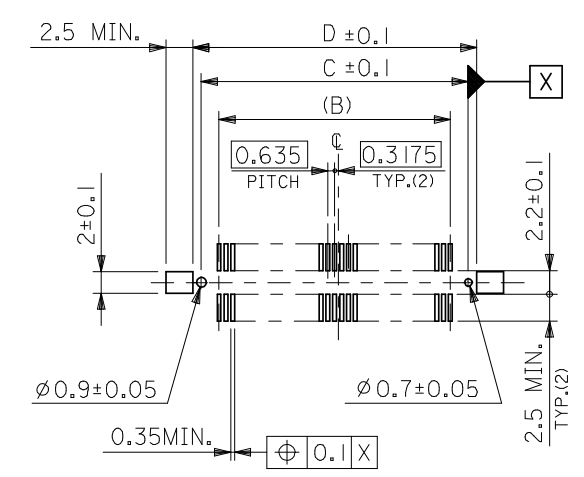
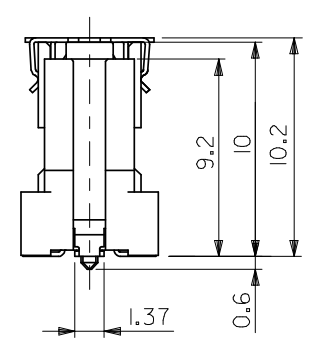
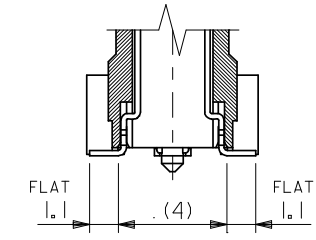
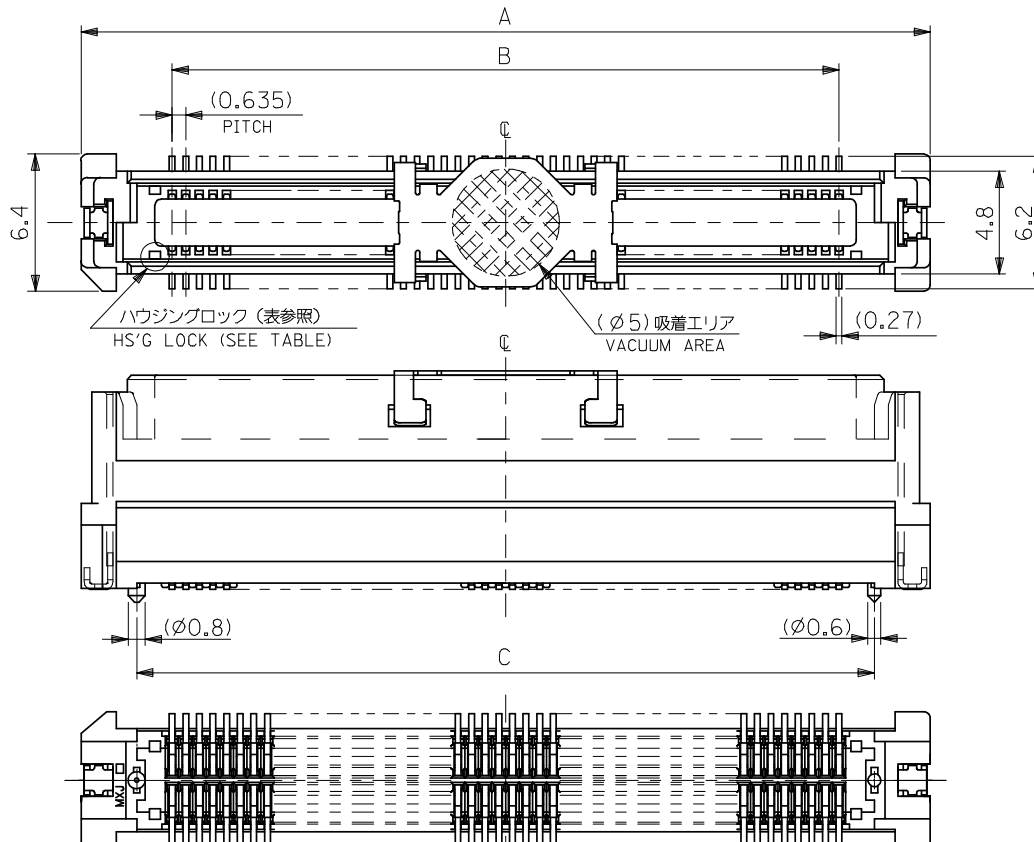
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[52901Series](#)

**Mates With**

[53475](#) , [53643](#) , [55091](#) , [53481](#) , [53625](#) ,,  
[53551](#) , [53647](#) , [53552](#) , [53649](#) , [53553](#) ,  
[53627](#)



注) NOTES

- 材質 MATERIAL  
ハウジング: ガラス入り LCP、白色、UL94V-0  
HOUSING: G.F.LCP, WHITE, UL94V-0  
ターミナル: 銅合金 (t=0.2)  
TERMINAL: COPPER ALLOY  
吸着カバー: ステンレス (t=0.2)  
VACUUM COVER: STAINLESS STEEL  
補強金具: 銅合金 (t=0.25)  
FITTING NAIL: COPPER ALLOY
- メッキ仕様 PLATING  
ターミナル: 接点部 金メッキ 0.25 μm MIN.  
CONTACT AREA: GOLD 0.25 μm MIN.  
半田付け部: 鍍メッキ 1 μm MIN.  
SOLDER TAIL AREA: TIN 1 μm MIN.  
下地メッキ: ニッケルメッキ 2 μm MIN.  
UNDER-PLATING: NICKEL 2 μm MIN.  
補強金具: 銅メッキ 1.0 マイクロメートル以上  
FITTING NAIL: OVER PLATING TIN 1.0 MICROMETER MINIMUM  
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 1.0 MICROMETER MINIMUM
- テールのバラツキ寸法 TAIL COPLANARITY  
テール平坦度は、0.1 MAX. とする。  
TAILS COPLANARITY TO BE 0.1 MAX.
- エンボス対応済みの極数については、SD-52901-009を参照下さい。  
FOR THE EMBOSSED PACKAGE PRODUCTS, SEE SD-52901-009.
- 本製品は 52901-\*\*\*2 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 52901-\*\*\*2.

|                        |       |       |        |       |                              |                            |                      |                |                   |
|------------------------|-------|-------|--------|-------|------------------------------|----------------------------|----------------------|----------------|-------------------|
| 無し<br>NO               | 48.72 | 47.12 | 43.815 | 52.32 | 52901-1474                   | 52901-1475                 | 52901-1472           | 140            | ○                 |
|                        | 42.37 | 40.77 | 37.465 | 45.97 | -1274                        | -1275                      | -1272                | 120            | ○                 |
|                        | 36.02 | 34.42 | 31.115 | 39.62 | -1074                        | -1075                      | -1072                | 100            | ○                 |
|                        | 32.85 | 31.25 | 27.94  | 36.45 | -0974                        | -0975                      | -0972                | 90             | ○                 |
|                        | 29.67 | 28.07 | 24.765 | 33.27 | -0874                        | -0875                      | -0872                | 80             | ○                 |
| 有り<br>YES              | 26.5  | 24.9  | 21.59  | 30.1  | -0774                        | -0775                      | -0772                | 70             | ○                 |
|                        | 23.32 | 21.72 | 18.415 | 26.92 | -0674                        | -0675                      | -0672                | 60             | ○                 |
|                        | 16.97 | 15.37 | 12.065 | 20.57 | -0474                        | -0475                      | -0472                | 40             | ○                 |
|                        | 13.8  | 12.2  | 8.89   | 17.4  | -0374                        | -0375                      | -0372                | 30             | ○                 |
|                        | 10.62 | 9.02  | 5.715  | 14.22 | 52901-0274                   | 52901-0275                 | 52901-0272           | 20             | ○                 |
| ハウジングブロック<br>HS'G LOCK | D     | C     | B      | A     | エンボス梱包<br>EMBOSSED PACKAGING | スティック梱包<br>STICK PACKAGING | 製品番号<br>MATERIAL NO. | 極数<br>CKT. NO. | 量産対応<br>AVAILABLE |
|                        |       |       |        |       | ORDER No.                    | オーダー番号                     |                      |                |                   |

|                                                                                |                                                         |                                                                                                                       |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                               |                                                  |
|--------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| REVISED<br>EC NO: J2008-4316<br>DRWN: WABEI<br>CHKD: THARUYAMA<br>APPR: NUKITA | DESCRIPTION<br>GENERAL TOLERANCES<br>(UNLESS SPECIFIED) | 10 UNDER<br>10 OVER 30 UNDER<br>30 OVER<br>ANGULAR ±3 °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>M. NINOMIYA '04/03/04<br>CHECKED BY DATE<br>K. TOJO '04/03/04<br>APPROVED BY DATE<br>M. SASAO '04/03/04<br>MATERIAL NO.<br>SIZE A3 | SCALE<br>---<br>DESIGN UNITS<br>METRIC<br>TITLE<br>0.635 PITCH B-TO-B CONN.<br>REC. HS'G COVER ASS'Y<br>-LEAD FREE-<br>MOLEX INCORPORATED<br>SD-52901-008<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | THIRD ANGLE<br>PROJECTION<br>SHEET NO.<br>1 OF 1 |
|                                                                                |                                                         |                                                                                                                       |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                               |                                                  |
|                                                                                |                                                         |                                                                                                                       |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                               |                                                  |
|                                                                                |                                                         |                                                                                                                       |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                               |                                                  |
|                                                                                |                                                         |                                                                                                                       |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                               |                                                  |

F

E

D

C

B

A

F

E

D

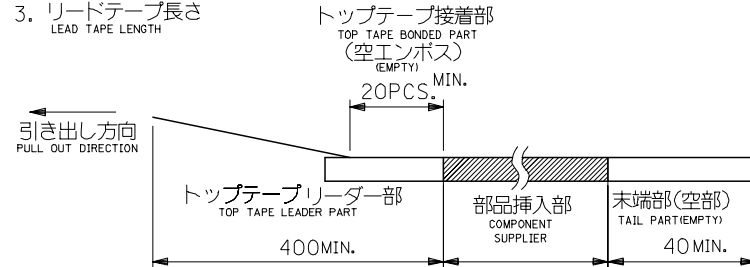
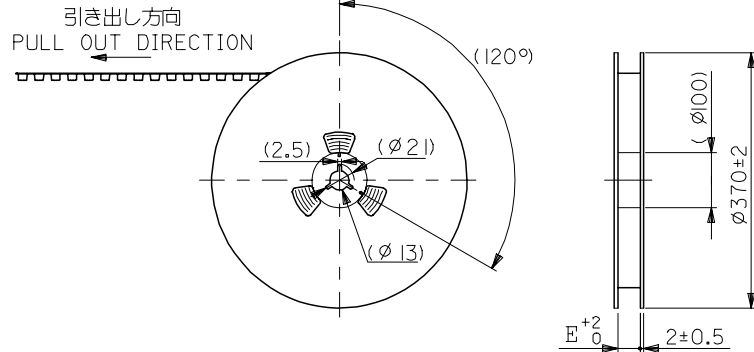
C

B

A

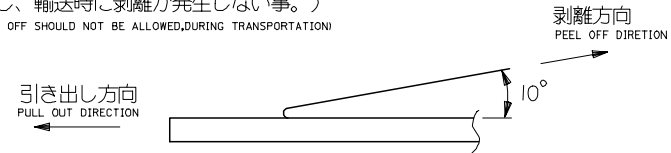
注)  
NOTES

1. 製品番号 52901-\*\*\*72 の詳細寸法については、SD-52901-008 を参照下さい。  
IN THE PACKAGE , PART NO.52901-\*\*\*72 DETAILED DIMENSIONS , SEE SD-52901-008
2. 梱包数量 : 440 個/リール  
NUMBER OF CONNECTORS : 440 PCS/REEL
3. リードテープ長さ  
LEAD TAPE LENGTH



4. トップテープの剥離強度 (剥離方向は下図参照)  
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)  
0. 1N~1. 3N {10gf~130gf} : キャリアテープ幅24mm~72mm  
CARRIER TAPE WIDTH 24mm~72mm

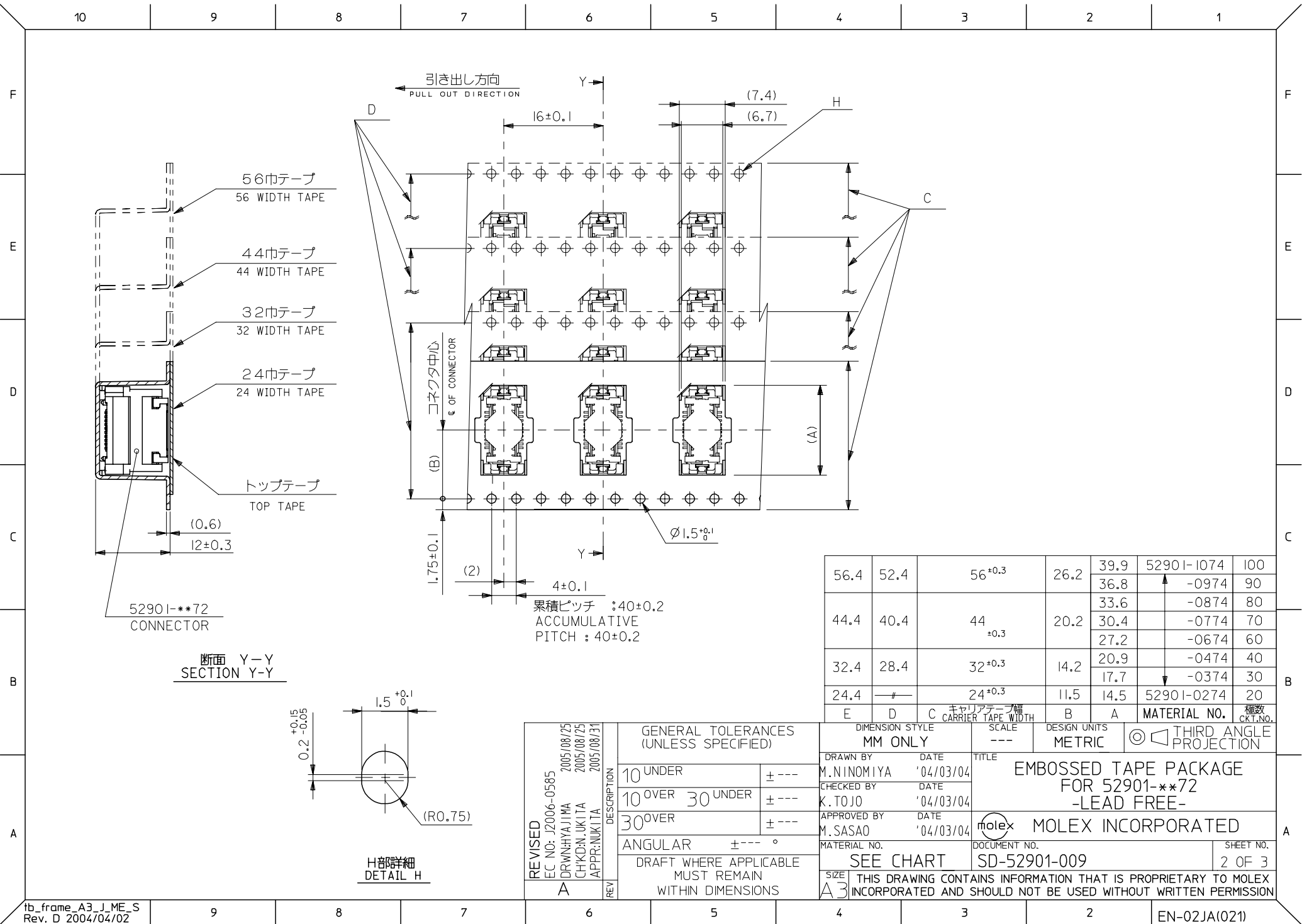
尚、本規格値は、出荷時に適用。  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT  
(但し、輸送時に剥離が発生しない事。)  
(PEEL OFF SHOULD NOT BE ALLOWED,DURING TRANSPORTATION)

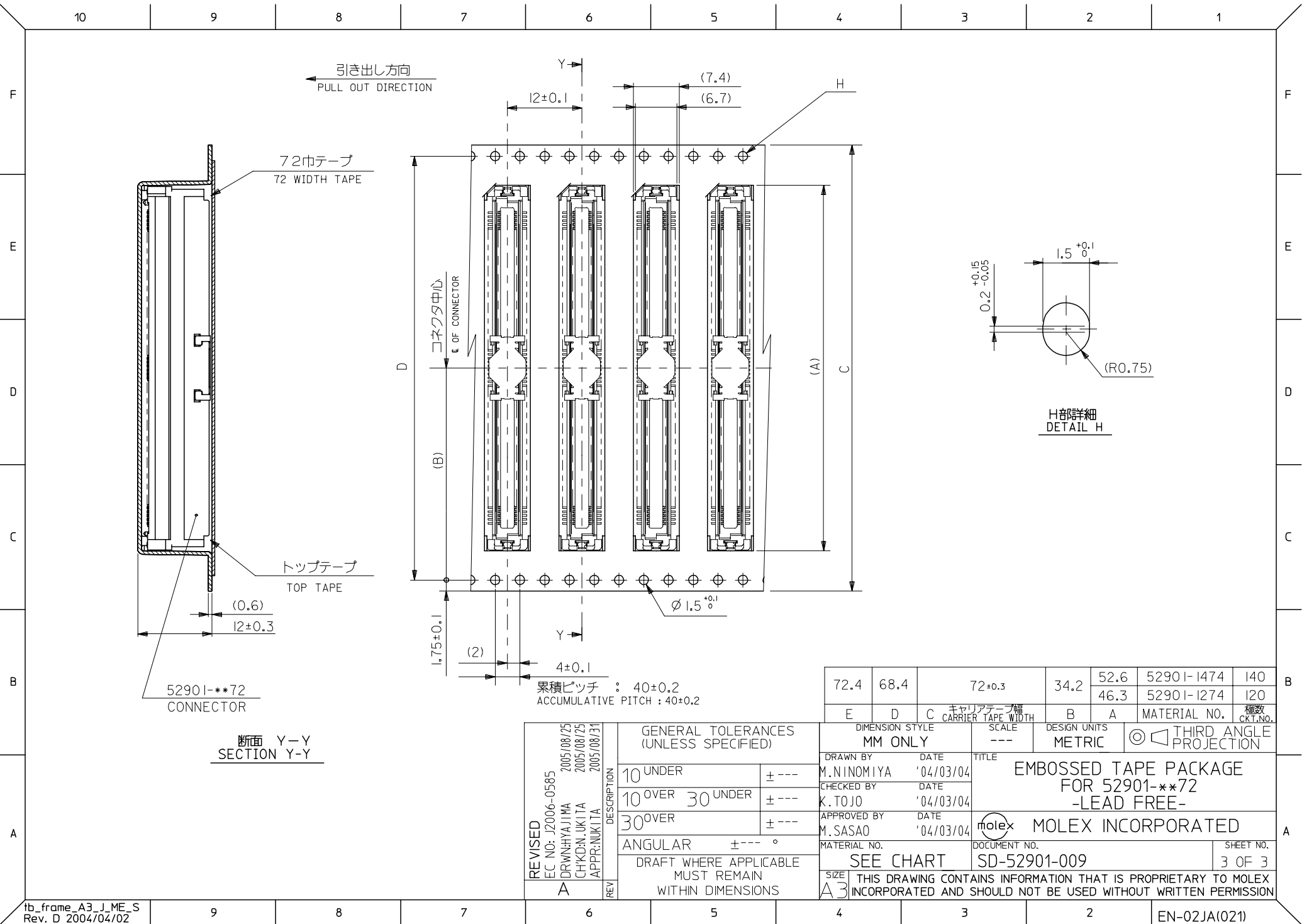


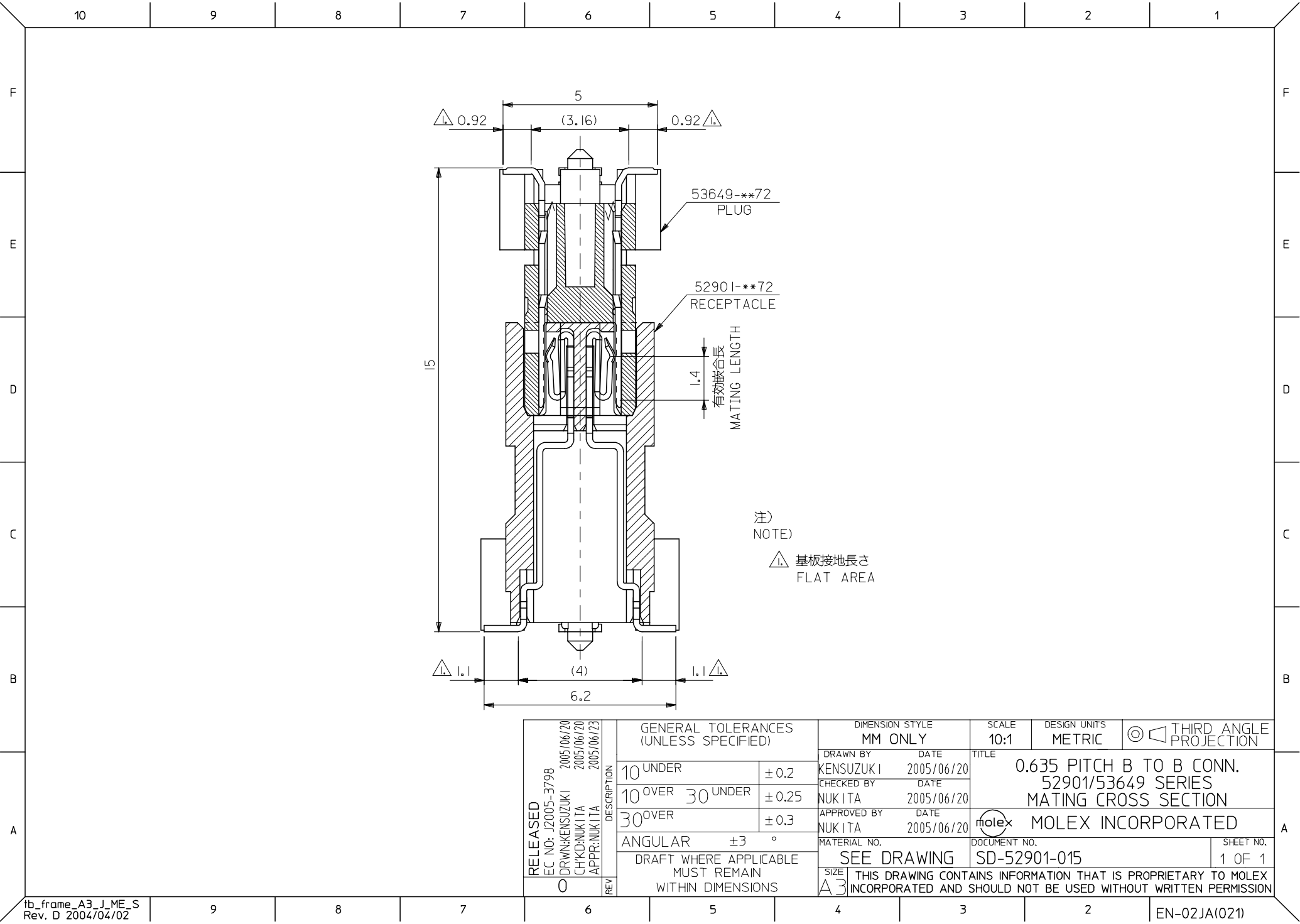
5. 材料  
MATERIAL  
キャリアテープ : ポリプロピレン (PP)  
CARRIER TAPE : POLYPROPYLENE (PP)  
トップテープ : PET, PE, PEF  
TOP TAPE : PET, PE, PEF  
リール : 紙  
REEL : CARD BOARD
6. 本製品は 52901-\*\*\*4 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 52901-\*\*\*4.

52901-\*\*\*74  
MODEL NO.

|                                                                                  |                                                            |                                                                                                                                  |           |                            |                   |                                                                |                        |                           |  |  |
|----------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|-------------------|----------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO: J2006-0585<br>DRW:HYAJI MA<br>CHKDN: UKITA<br>APPR:NUKITA<br>A | 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>M.NINOMIYA     | DATE<br>'04/03/04 | TITLE<br>EMBOSSD TAPE PACKAGE<br>FOR 52901-**72<br>-LEAD FREE- |                        |                           |  |  |
|                                                                                  |                                                            | 10 OVER 30 UNDER                                                                                                                 | ± ---     | CHECKED BY<br>K.TOJO       | DATE<br>'04/03/04 |                                                                |                        |                           |  |  |
|                                                                                  |                                                            | 30 OVER                                                                                                                          | ± ---     | APPROVED BY<br>M.SASAO     | DATE<br>'04/03/04 | MOLEX INCORPORATED                                             |                        |                           |  |  |
|                                                                                  |                                                            | ANGULAR ± --- °                                                                                                                  |           | MATERIAL NO.               |                   | DOCUMENT NO.                                                   |                        | SHEET NO.                 |  |  |
|                                                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  | SEE CHART |                            | SD-52901-009      |                                                                | 1 OF 3                 |                           |  |  |
|                                                                                  |                                                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |           |                            |                   |                                                                |                        |                           |  |  |







注)  
NOTE)  
△1 基板接地長さ  
FLAT AREA

|                                                                                       |     |                                                       |                                                            |        |                             |                                                                                                                                  |                                                                                 |                        |                           |  |
|---------------------------------------------------------------------------------------|-----|-------------------------------------------------------|------------------------------------------------------------|--------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------|---------------------------|--|
| RELEASED<br>EC NO: J2005-3798<br>DRWN: KENSUZUKI<br>CHKD: NUKITA<br>APPR: NUKITA<br>O | REV | DESCRIPTION<br>2005/06/20<br>2005/06/20<br>2005/06/23 | 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>KENSUZUKI       | DATE<br>2005/06/20                                                                                                               | TITLE<br>0.635 PITCH B TO B CONN.<br>52901/53649 SERIES<br>MATING CROSS SECTION |                        |                           |  |
|                                                                                       |     |                                                       | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>NUKITA        | DATE<br>2005/06/20                                                                                                               |                                                                                 |                        |                           |  |
|                                                                                       |     |                                                       | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>NUKITA       | DATE<br>2005/06/20                                                                                                               | MOLEX INCORPORATED                                                              |                        |                           |  |
|                                                                                       |     |                                                       | ANGULAR                                                    | ± 3 °  | MATERIAL NO.<br>SEE DRAWING |                                                                                                                                  |                                                                                 |                        |                           |  |
|                                                                                       |     |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SIZE<br>A3                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                 |                        |                           |  |
|                                                                                       |     |                                                       |                                                            |        |                             |                                                                                                                                  |                                                                                 |                        |                           |  |

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### Офис по работе с юридическими лицами:

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