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**Part Number:** [0524651471](#)  
**Status:** **Active**  
**Description:** 0.80mm (.031") Pitch Board-to-Board Receptacle, Surface Mount, Dual Row, 14 Circuits, Lead-free

**Documents:**

|                                                          |                                                          |
|----------------------------------------------------------|----------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification PS-52465-014 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Product Specification PS-52465-015 (PDF)</a> |
| <a href="#">Product Specification PS-52465-010 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

**General**

|                |                       |
|----------------|-----------------------|
| Product Family | PCB Receptacles       |
| Series         | <a href="#">52465</a> |
| Application    | Board-to-Board        |
| Product Name   | N/A                   |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 14                             |
| Color - Resin                  | Natural                        |
| Durability (mating cycles max) | 30                             |
| Glow-Wire Compliant            | No                             |
| Mated Height (in)              | 0.177 In, 0.222 In             |
| Mated Height (mm)              | 4.50 mm, 5.65 mm               |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface (in)  | 0.031 In                       |
| Pitch - Mating Interface (mm)  | 0.80 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                             |
| Surface Mount Compatible (SMC) | N/A                            |
| Temperature Range - Operating  | -20°C to +105°C                |
| Termination Interface: Style   | Surface Mount                  |

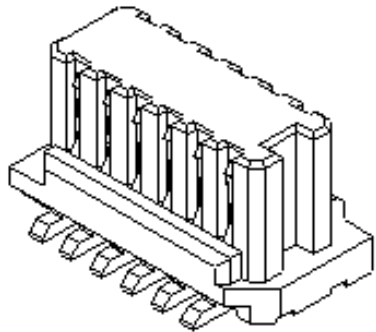
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                         |                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging Specification | SPK-52465-002                                                                                                                                     |
| Product Specification   | PS-52465-010, PS-52465-014, PS-52465-015, RPS-52465-042, RPS-52465-044, RPS-52465-045, RPS-52465-047, RPS-52465-048, RPS-52465-049, RPS-52465-052 |
| Sales Drawing           | SD-52465-028, SD-52465-029                                                                                                                        |



*Series  
image - Reference only*

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Halogen-Free**

**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.

**China RoHS**



**Search Parts in this Series**

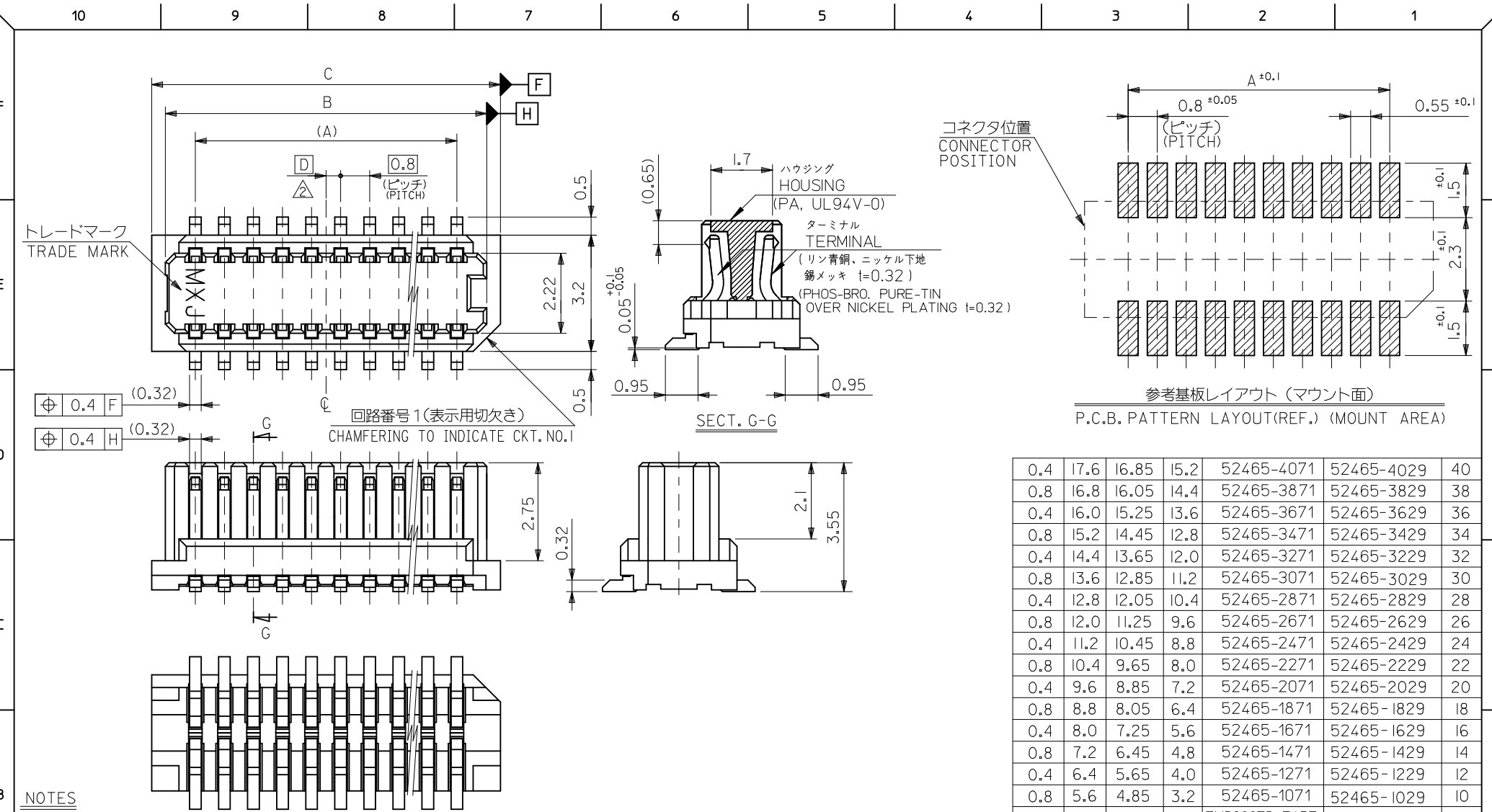
[52465Series](#)

**Mates With**

[53307](#) , [53309](#)

This document was generated on 06/07/2010

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|                   |  |                                                      |  |                 |  |                                                                                                                               |  |              |  |                                           |  |
|-------------------|--|------------------------------------------------------|--|-----------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|-------------------------------------------|--|
| REVISED           |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE |  | SCALE                                                                                                                         |  | DESIGN UNITS |  | THIRD ANGLE PROJECTION                    |  |
| EC NO: J2010-0755 |  | 10 UNDER                                             |  | MM ONLY         |  | 10:1                                                                                                                          |  | METRIC       |  | ◎                                         |  |
| DRWN: INAKAGAWA01 |  | 10 OVER 30 UNDER                                     |  | DRAWN BY        |  | DATE                                                                                                                          |  | TITLE        |  | 0.8 BOARD TO BOARD CONN. HOUSING ASSY SMT |  |
| CHKD: SMARUYAMA   |  | 30 OVER                                              |  | Y. SAKIYAMA     |  | 2004/02/17                                                                                                                    |  | M. SASAO     |  | 2004/02/17                                |  |
| APPR: MSASAO      |  | ANGULAR                                              |  | M. SASAO        |  | 2004/02/17                                                                                                                    |  | MATERIAL NO. |  | DOCUMENT NO.                              |  |
| REV               |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SEE TABLE       |  | SD-52465-028                                                                                                                  |  | SHEET NO.    |  | 1 OF 1                                    |  |
| A                 |  |                                                      |  | SIZE            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |              |  |                                           |  |



DWG. NO.  
SD-52465-029

F

D

▽

C

B

DO NOT SCALE DRAWING

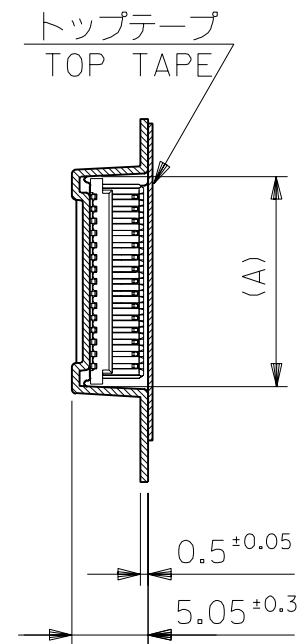
|                                   |                                   |                                   |                                   |                                                                                               |                    |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------|--------------------|
| EC NO.<br>DRWN:<br>CH'K:<br>APPR: | EC NO.<br>DRWN:<br>CH'K:<br>APPR: | EC NO.<br>DRWN:<br>CH'K:<br>APPR: | EC NO.<br>DRWN:<br>CH'K:<br>APPR: | RELEASED '04/02/17<br>EC NO. J2004-2482<br>DRWN: Y.SAKIYAMA<br>CH'K: M.SASAO<br>APPR: M.SASAO | DESCRIPTION<br>REV |
|                                   |                                   |                                   |                                   | 0                                                                                             |                    |

|                      |                  |
|----------------------|------------------|
| MATERIAL<br>材料       | SEE SHEET 1 OF 2 |
| FINISH<br>仕上げ        | —//—             |
| WIRE RANGE<br>適用電線範囲 | —//—             |
| INS. RANGE<br>被覆外径   | —//—             |

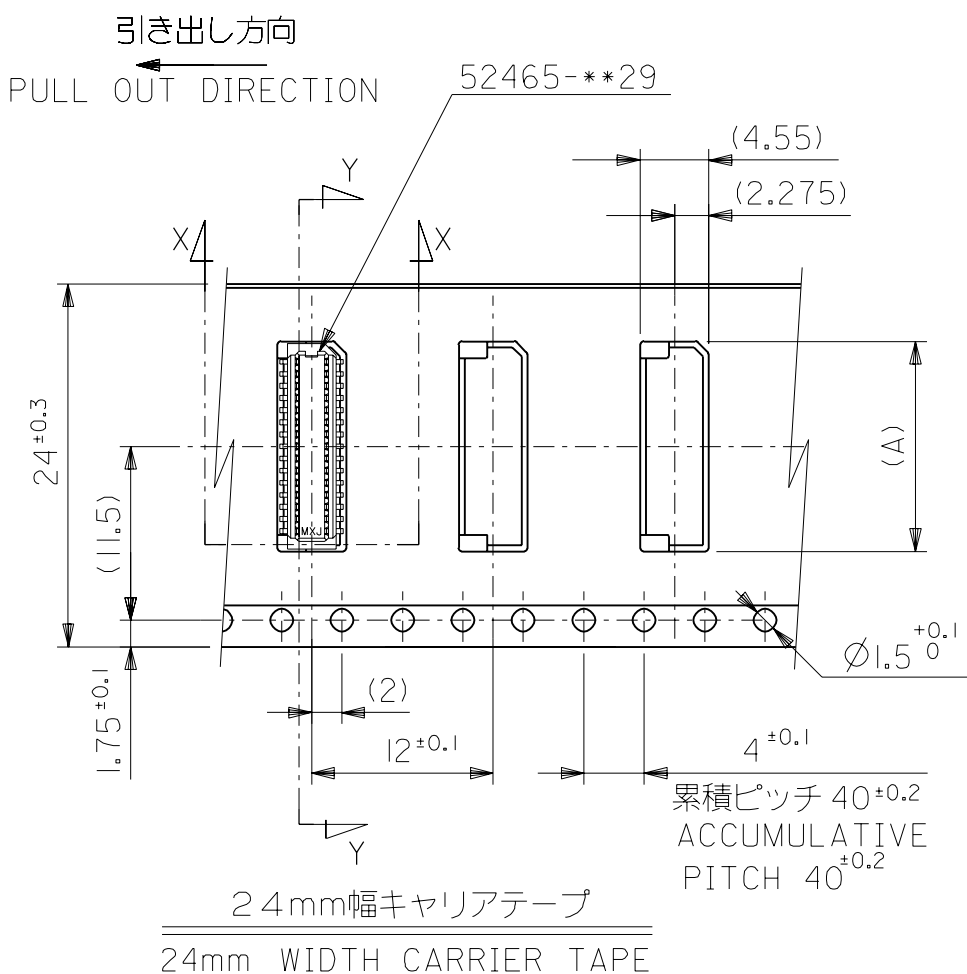
|                                                   |       |
|---------------------------------------------------|-------|
| GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)<br>一般公差 |       |
| 10 UNDER<br>未満                                    | ±0.2  |
| 10 OVER 30 UNDER<br>以上 未満                         | ±0.25 |
| 30 OVER<br>以上                                     | ±0.3  |
| ANGLE 角度                                          | ±3°   |

|                                         |                                                                                      |
|-----------------------------------------|--------------------------------------------------------------------------------------|
| SCALE<br>—//—                           | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH |
| DRAWN BY & DATE<br>Y.SAKIYAMA '04/02/17 | TITLE:<br>0.8 B-To-B Hsg Assy SMT<br>Embstp Pkg -LEAD FREE-                          |
| CHECKED BY & DATE<br>M.SASAO '04/02/17  |                                                                                      |
| APPROVED BY & DATE<br>M.SASAO '04/02/17 | MOLEX INCORPORATED                                                                   |
| CAD FILENAME<br>SD-52465-029.S02        |                                                                                      |

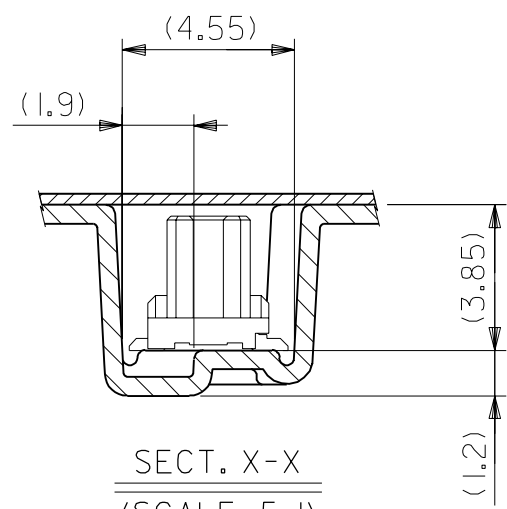
|                                                                                                                  |  |                                     |  |                                     |                                             |                       |           |
|------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|-------------------------------------|---------------------------------------------|-----------------------|-----------|
|  THIRD ANGLE<br>PROJECTION  |  | <input type="checkbox"/> mm<br>INCH |  | <input type="checkbox"/> INCH<br>mm | <input checked="" type="checkbox"/> mm ONLY | REVISE ON<br>CAD ONLY |           |
| TITLE:<br>0.8 B-To-B Hsg Assy SMT<br>Embstp Pkg -LEAD FREE-                                                      |  |                                     |  |                                     |                                             |                       |           |
| molex MOLEX INCORPORATED                                                                                         |  |                                     |  |                                     |                                             |                       |           |
| MATERIAL NO.<br>SEE CHART                                                                                        |  | DRAWING NO.<br>SD-52465-029         |  |                                     |                                             | SHEET NO.<br>2 OF 2   |           |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |                                     |  |                                     |                                             |                       | SIZE<br>B |



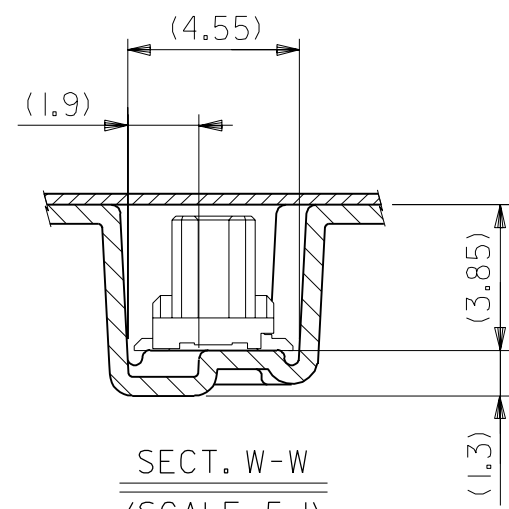
SECT. Y-Y



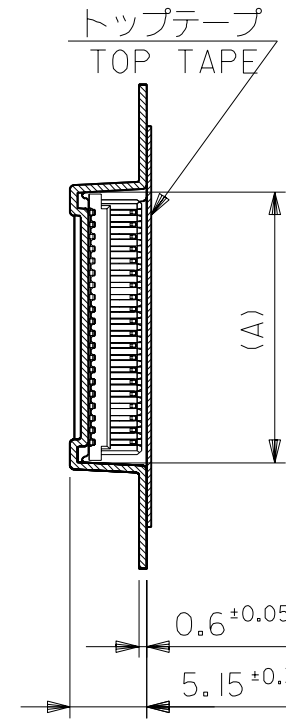
24mm幅キャリアテープ  
24mm WIDTH CARRIER TAPE



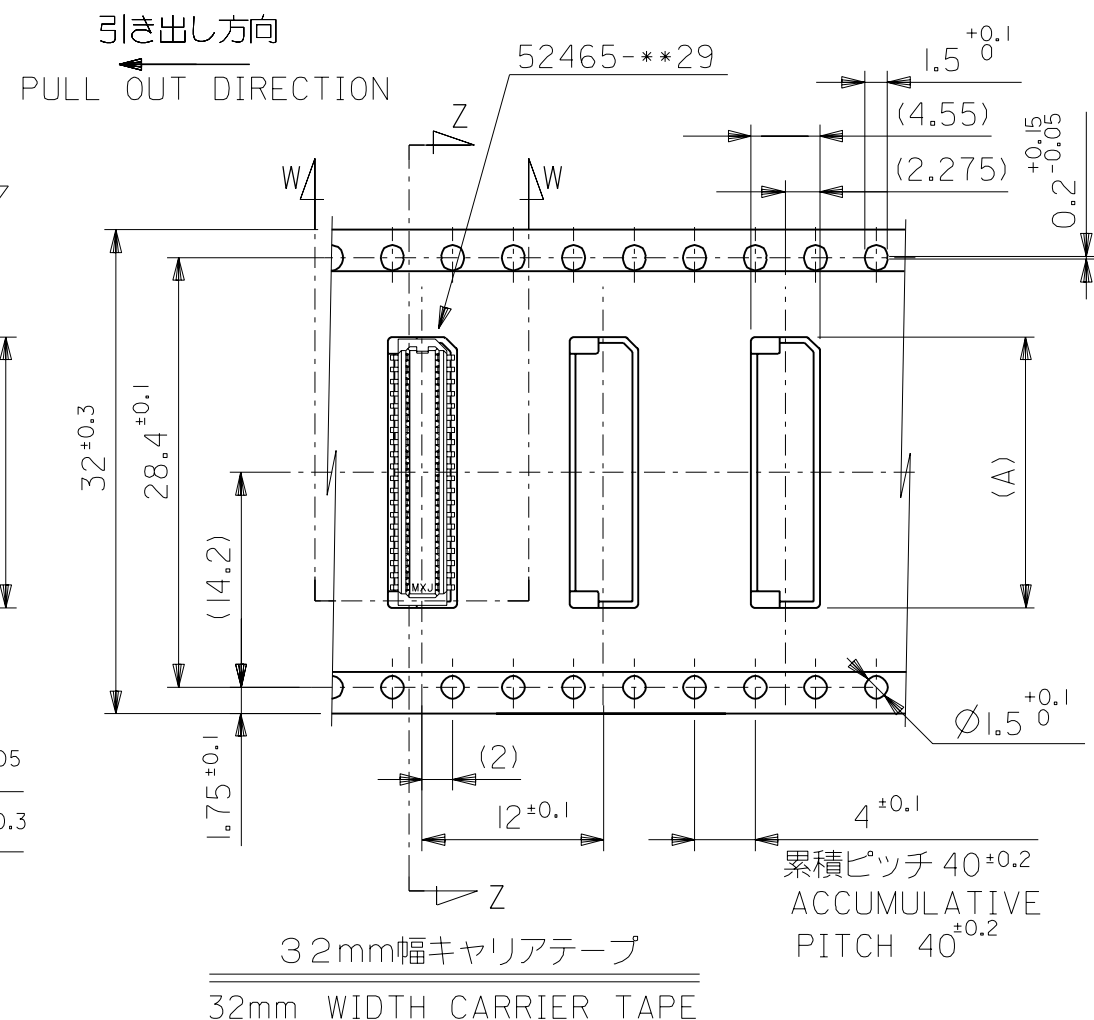
SECT. X-X  
(SCALE; 5:1)



SECT. W-W  
(SCALE; 5:1)



SECT. Z-Z



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

|    |      |      |            |    |
|----|------|------|------------|----|
| 24 | 33.5 | 17.9 | 52465-4071 | 40 |
|    |      | 17.1 | 52465-3871 | 38 |
|    |      | 16.3 | 52465-3671 | 36 |
|    |      | 15.5 | 52465-3471 | 34 |
|    |      | 14.7 | 52465-3271 | 32 |
|    |      | 13.9 | 52465-3071 | 30 |
|    |      | 13.1 | 52465-2871 | 28 |
|    |      | 12.3 | 52465-2671 | 26 |
|    |      | 11.5 | 52465-2471 | 24 |
| 24 | 25.5 | 10.7 | 52465-2271 | 22 |
|    |      | 9.9  | 52465-2071 | 20 |
|    |      | 9.1  | 52465-1871 | 18 |

|                                                                                                                                |              |                                                              |  |                                     |                                     |                                             |                    |
|--------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------|--|-------------------------------------|-------------------------------------|---------------------------------------------|--------------------|
| MODEL NO.                                                                                                                      |              | 52465-**71                                                   |  | DIMENSIONS:                         |                                     | SHT                                         | REV                |
| SCALE                                                                                                                          | DESIGN UNITS | THIRD ANGLE PROJECTION                                       |  | <input type="checkbox"/> mm<br>INCH | <input type="checkbox"/> INCH<br>mm | <input checked="" type="checkbox"/> mm ONLY | REVISE ON CAD ONLY |
| DRAWN BY & DATE                                                                                                                |              | TITLE:<br>0.8 B-To-B Hsg Assy SMT<br>Embstop Pkg -LEAD FREE- |  |                                     |                                     |                                             |                    |
| Y.SAKIYAMA<br>'04/02/17                                                                                                        |              |                                                              |  |                                     |                                     |                                             |                    |
| CHECKED BY & DATE                                                                                                              |              | MOLEX INCORPORATED                                           |  |                                     |                                     |                                             |                    |
| M.SASAO<br>'04/02/17                                                                                                           |              |                                                              |  |                                     |                                     |                                             |                    |
| APPROVED BY & DATE                                                                                                             |              | MATERIAL NO. SEE CHART                                       |  |                                     |                                     |                                             |                    |
| M.SASAO<br>'04/02/17                                                                                                           |              |                                                              |  |                                     |                                     |                                             |                    |
| CAD FILENAME                                                                                                                   |              | DRAWING NO.                                                  |  | SHEET NO.                           |                                     | SIZE                                        |                    |
| SD-52465-029.S02                                                                                                               |              | SD-52465-029                                                 |  | 2 OF 2                              |                                     | B                                           |                    |
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