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Part Number: [0524651871](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Board-to-Board Receptacle, Surface Mount, Dual Row, 18 Circuits, Lead-free

Documents:

3D Model	Product Specification PS-52465-014 (PDF)
Drawing (PDF)	Product Specification PS-52465-015 (PDF)
Product Specification PS-52465-010 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	52465
Application	Board-to-Board
Product Name	N/A

Physical

Circuits (Loaded)	18
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Mated Height (in)	0.177 In, 0.222 In, 0.256 In
Mated Height (mm)	4.50 mm, 5.65 mm, 7.00 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

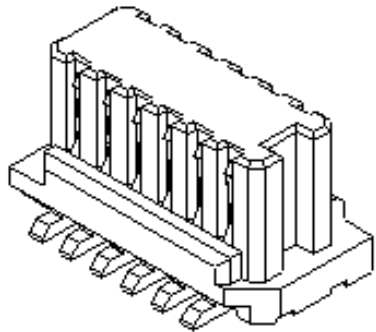
Electrical

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
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

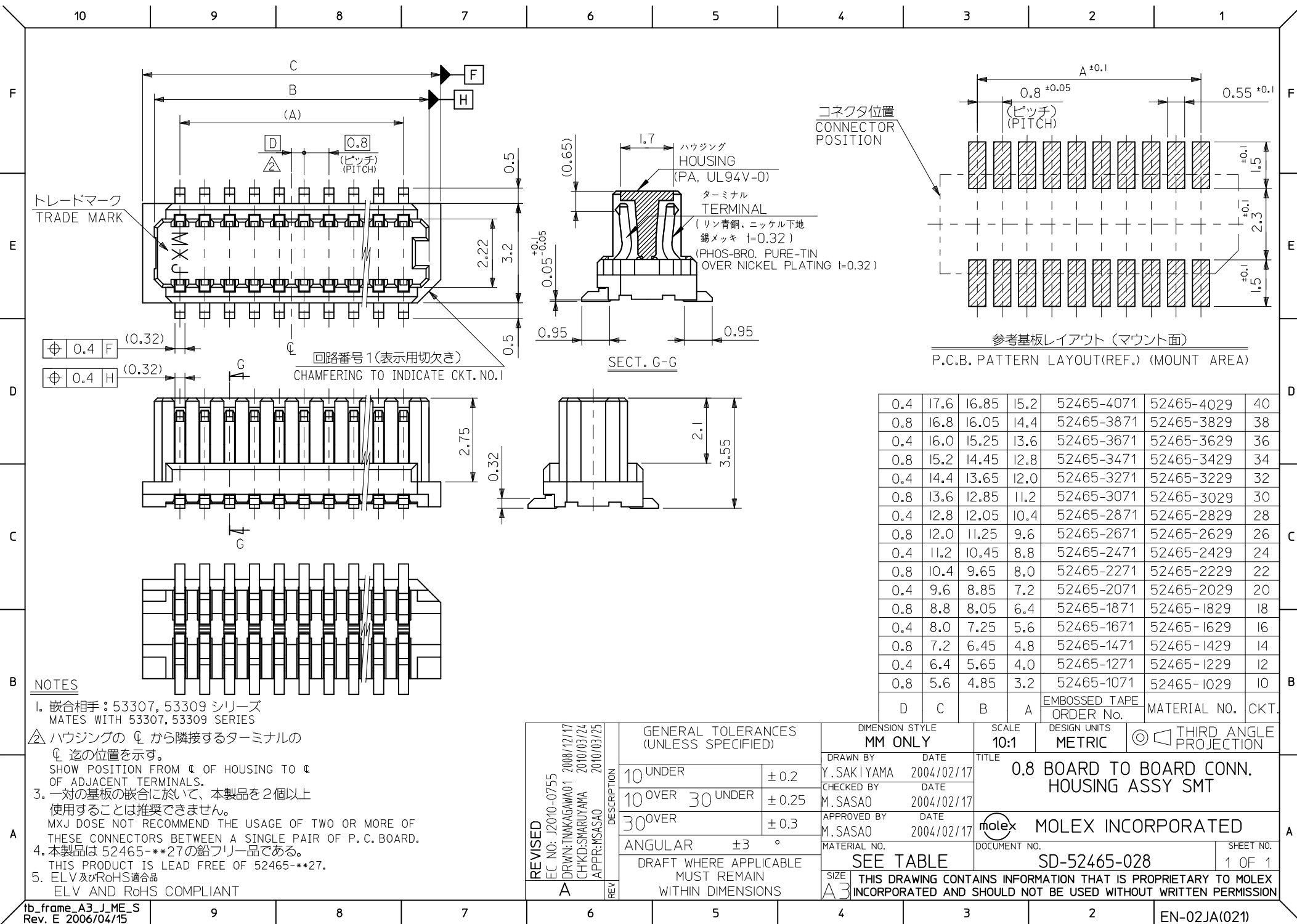
[52465Series](#)

Mates With

[53364](#) , [53353](#) , [53307](#) , [53309](#)

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DWG. NO.
SD-52465-029

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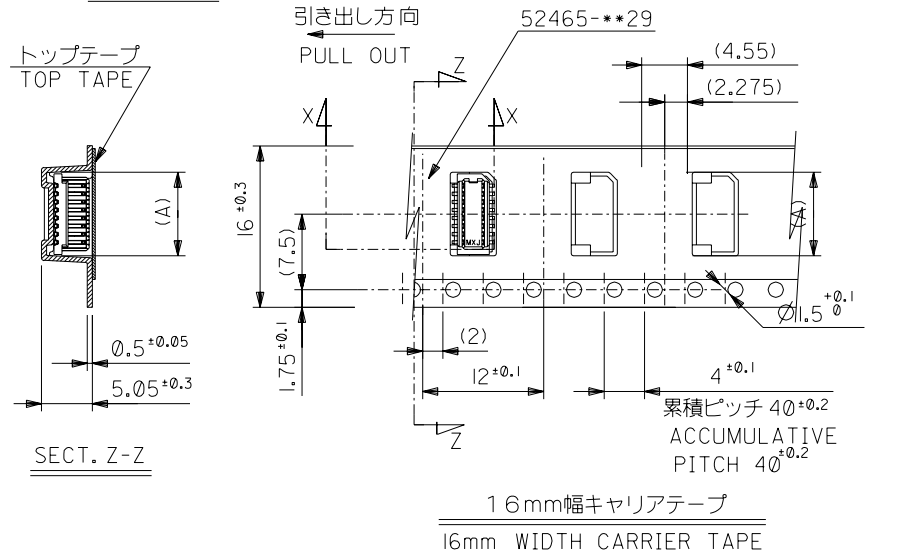
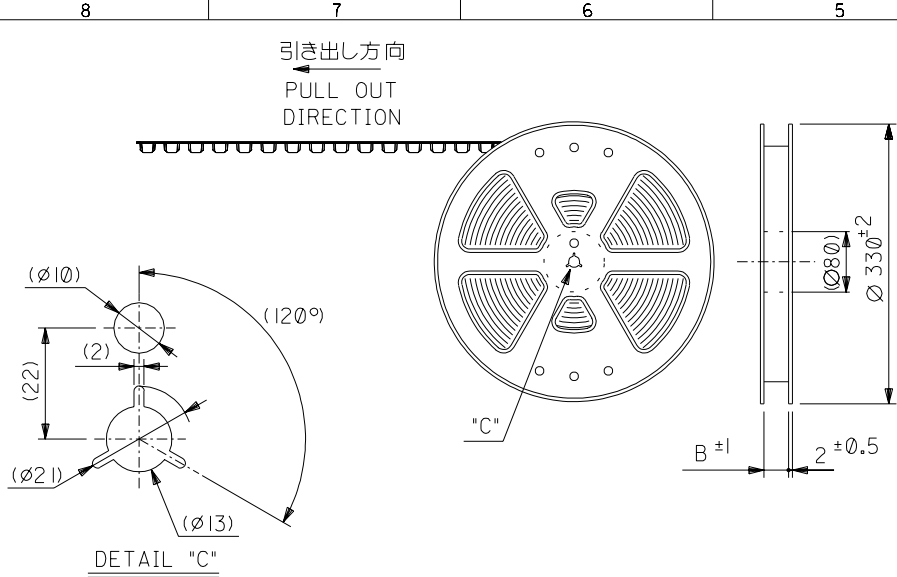
D

V

C

B

DO NOT SCALE DRAWING

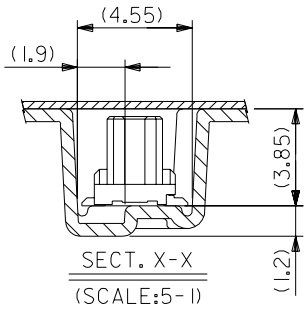


EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:
RELEASED '04/02/17	EC NO. J2004-2482	DRWN: Y.SAKIYAMA	CHK: M.SASAO	APPR: M.SASAO	DESCRIPTION
REV	0	INS. RANGE	被覆外径	---	---

MATERIAL 材料	SEE NOTES
FINISH 仕上げ	---
WIRE RANGE 適用電線範囲	---
INS. RANGE 被覆外径	---

NOTES

- 梱包数量: 1000 個/リール NUMBER OF CONNECTORS: 1000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH
トップテープ リーダー部 TOP TAPE LEADER PART 175 ±25
トップテープ 未接着部 TOP TAPE NON-BONDED PART 25 ±5
引き出し方向 PULL OUT DIRECTION
部品挿入部 COMPONENT SUPPLIER
末端部 (空部) TAIL PART (EMPTY) 150 ±40
リーダ部 (空部) LEADER PART (EMPTY) 120 ±20
- トップテープの剥離強度: 0.1 ~ 1.3N (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事。)
PEELING OFF FORCE OF TOP TAPE: 0.1 ~ 1.3N (10 ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION
引き出し方向 PULL OUT DIRECTION
剥離方向 PEEL OFF DIRECTION 10°
- 材料
キャリアテープ: ポリプロピレン (PP) CARRIER TAPE: POLYPROPYLENE
トップテープ: PET, PE, PEF TOP TAPE: PET, PE, PEF
リール: ポリスチレン (PS) REEL: POLYSTYRENE (PS)
<リサイクル材を含む> <RECYCLE MATERIAL CONTAINED>
- 本製品は 52465-**-91 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52465-**-91.



16	17.5	9.1	52465-1871	18
		8.3	52465-1671	16
		7.5	52465-1471	14
		6.7	52465-1271	12
		5.9	52465-1071	10
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	CIRCUITS

MODEL NO. 52465-**-71	DIMENSIONS:	SHT	REV
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	REVISION ON CAD ONLY
10 UNDER 未満	±0.2	DRAWN BY & DATE	Y.SAKIYAMA '04/02/17
10 OVER 30 UNDER 未満	±0.25	CHECKED BY & DATE	M.SASAO '04/02/17
30 OVER 以上	±0.3	APPROVED BY & DATE	M.SASAO '04/02/17
ANGLE 角度	±3°	CAD FILENAME	SD-52465-029.S01
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		MATERIAL NO.	SEE CHART
		DRAWING NO.	SD-52465-029
		SHEET NO.	1 OF 2

DWG. NO.
SD-52465-029

F

D

▽

C

B

DO NOT SCALE DRAWING

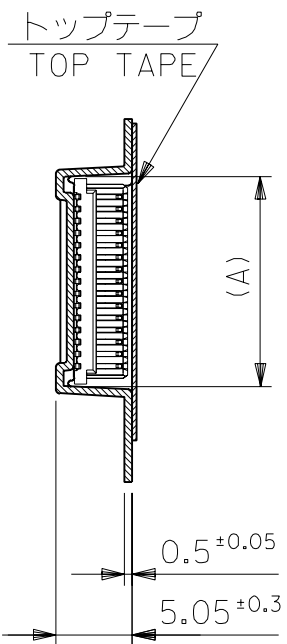
EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	RELEASED '04/02/17 EC NO. J2004-2482 DRWN: Y.SAKIYAMA CH'K: M.SASAO APPR: M.SASAO	DESCRIPTION REV
				0	

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

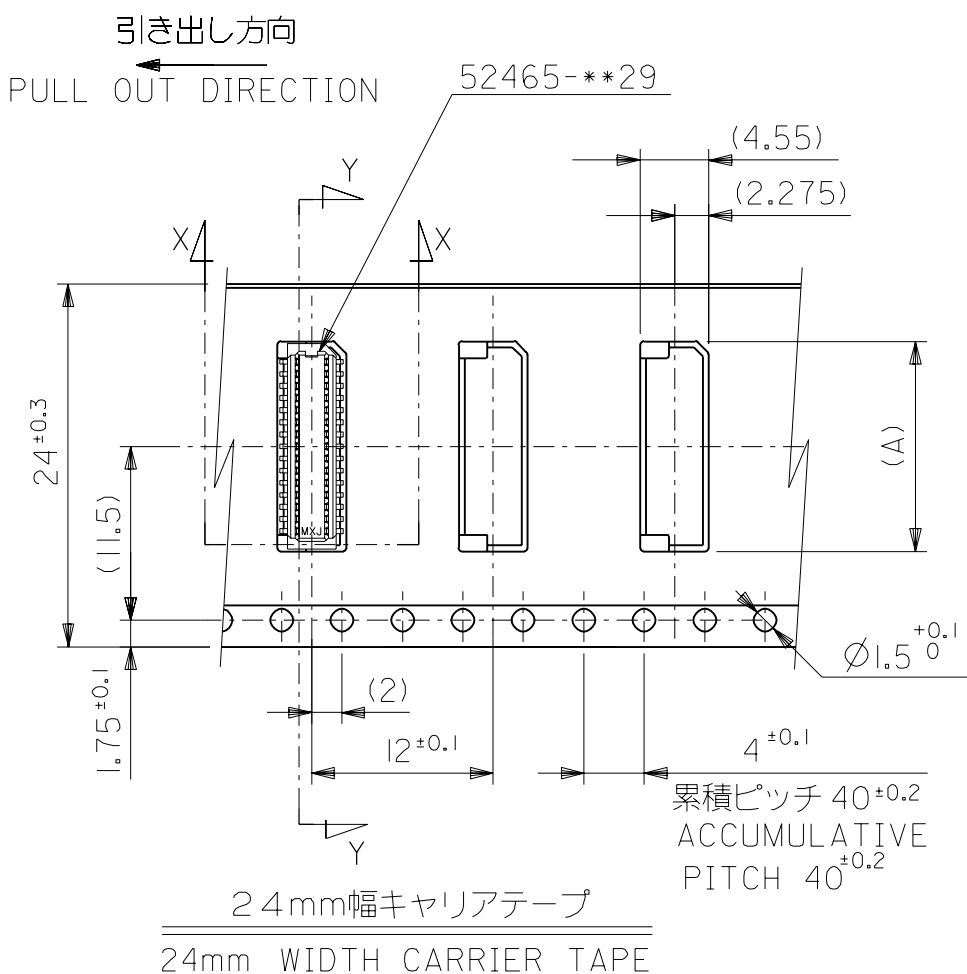
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	
10 UNDER 未満	±0.2
10 OVER 30 UNDER 以上 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

SCALE —//—	DESIGN UNITS ☒ mm ☐ INCH
DRAWN BY & DATE Y.SAKIYAMA	'04/02/17
CHECKED BY & DATE M.SASAO	'04/02/17
APPROVED BY & DATE M.SASAO	'04/02/17
CAD FILENAME SD-52465-029.S02	
THIS DRAWING CONTAINS INCORPORATED AND SHOWN	

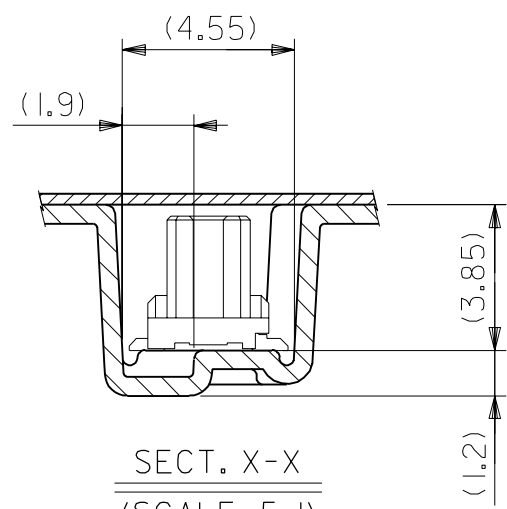
		THIRD ANGLE PROJECTION		☐ mm INCH		☐ INCH mm		☒ mm ONLY		REVISE ON CAD ONLY	
TITLE: 0.8 B-To-B Hsg Assy SMT Embstp Pkg -LEAD FREE-											
molex MOLEX INCORPORATED											
MATERIAL NO. SEE CHART				DRAWING NO. SD-52465-029				SHEET NO. 2 OF 2			
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.										SIZE B	



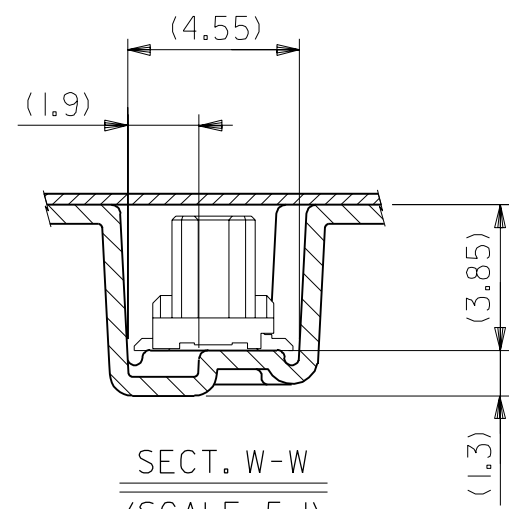
SECT. Y-Y



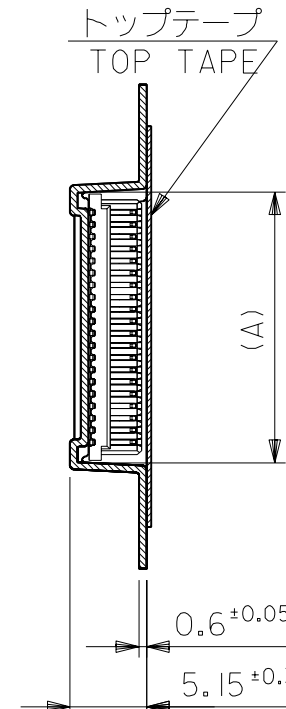
24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE



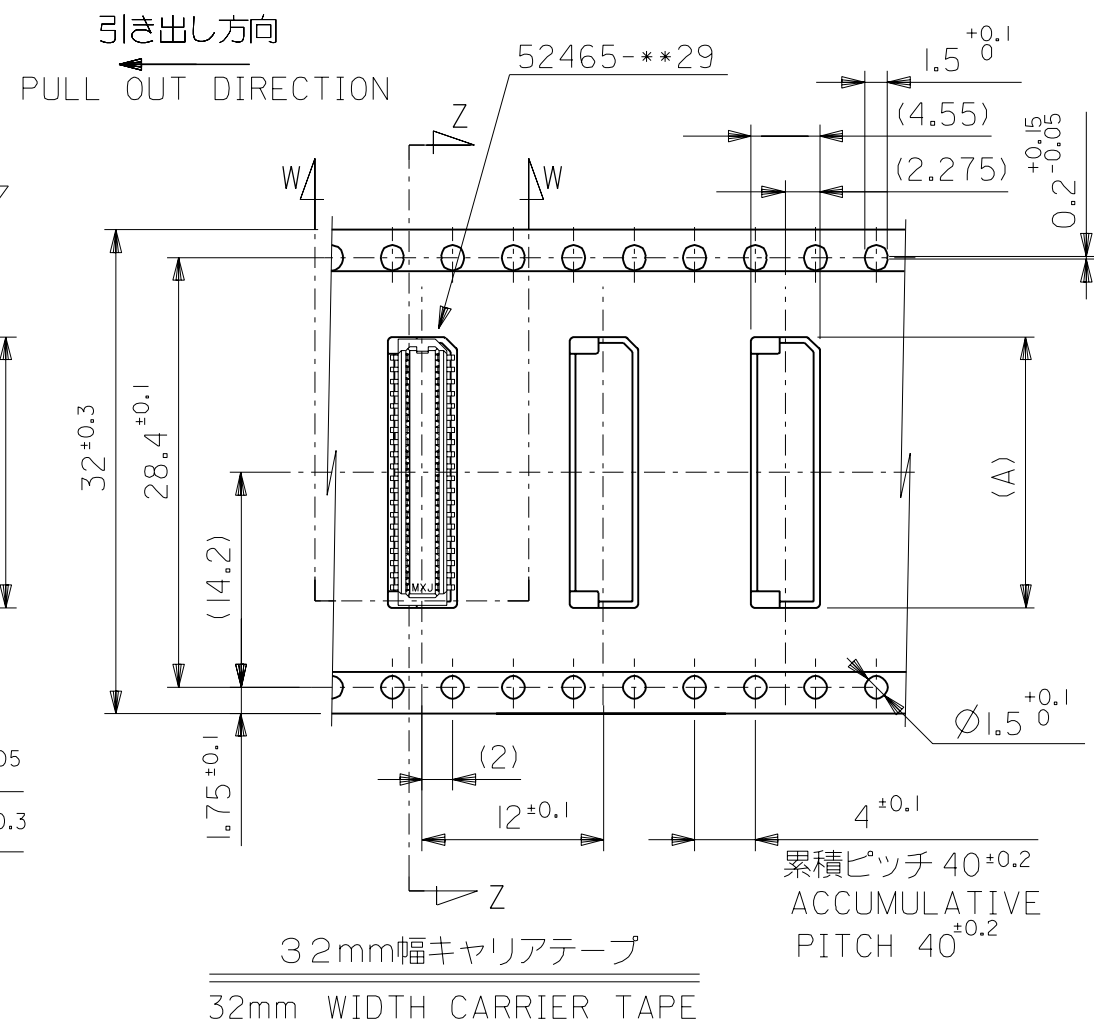
SECT. X-X
(SCALE; 5:1)



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



SECT. Z-Z



32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	33.5	17.9	52465-4071	40
		17.1	52465-3871	38
24	25.5	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
		10.7	52465-2271	22
		9.9	52465-2071	20
		キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)