

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0524651271](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Board-to-Board Receptacle, Surface Mount, Dual Row, 12 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)	12
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

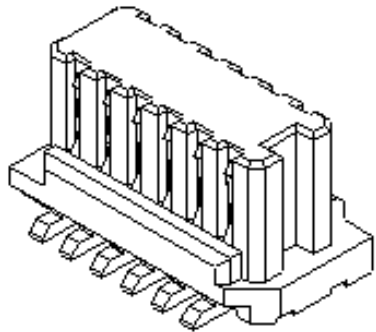
Electrical

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

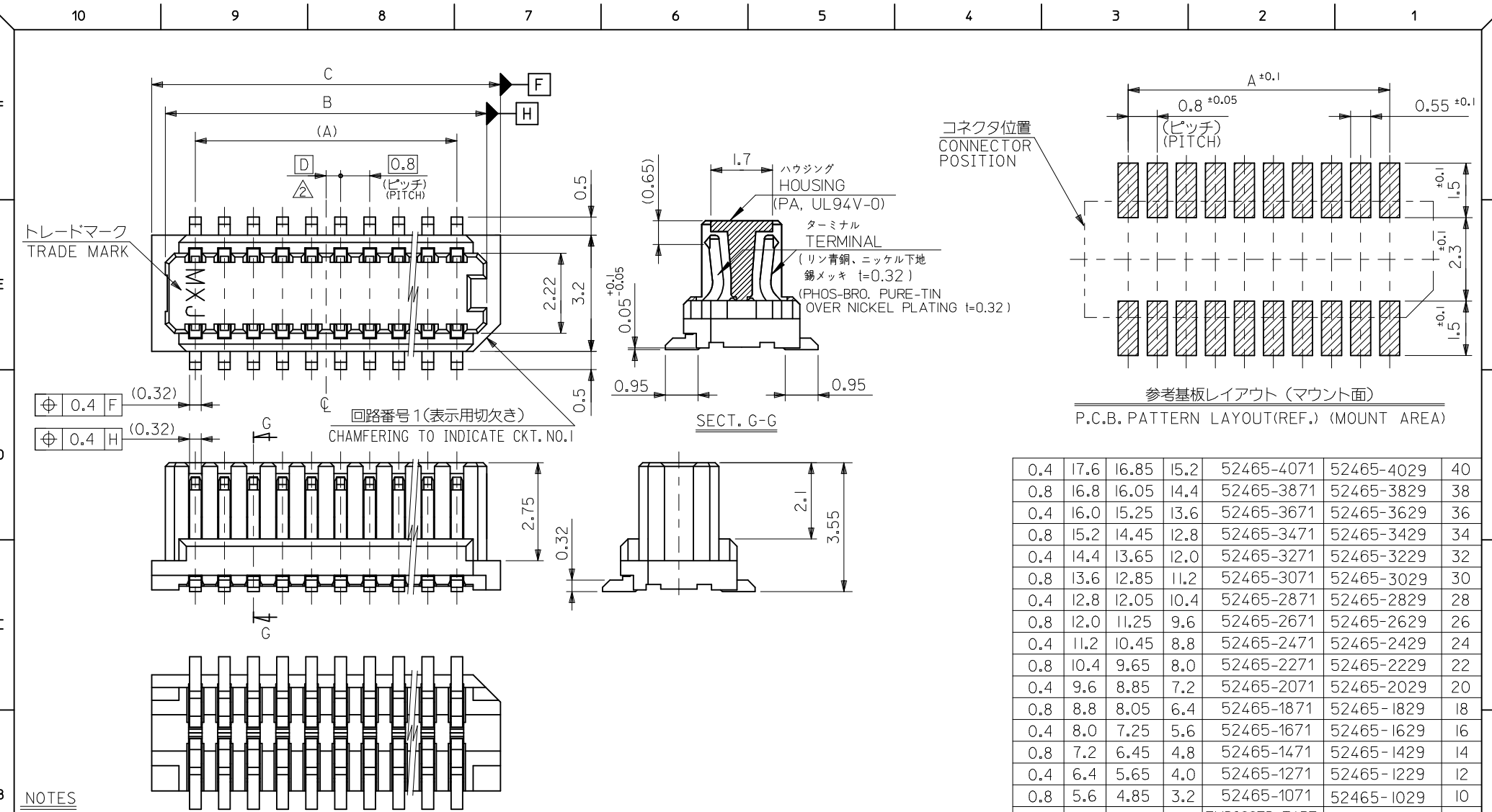
[52465Series](#)

Mates With

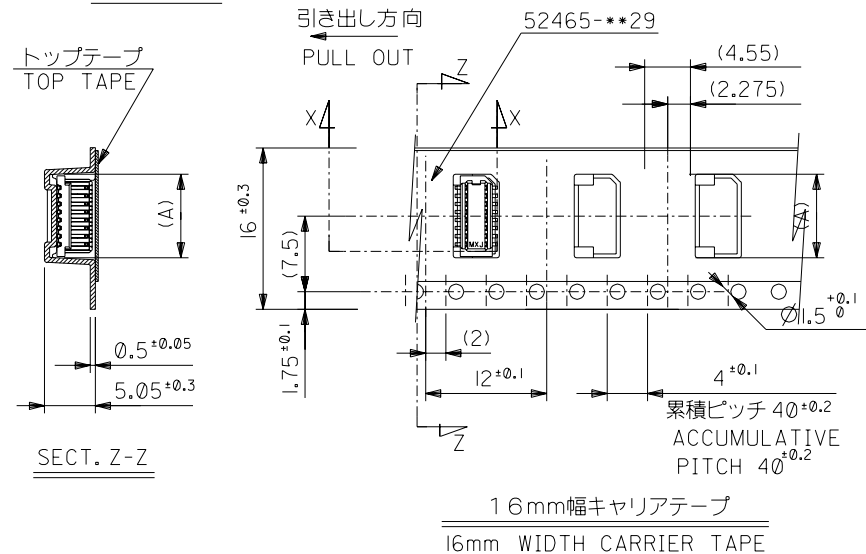
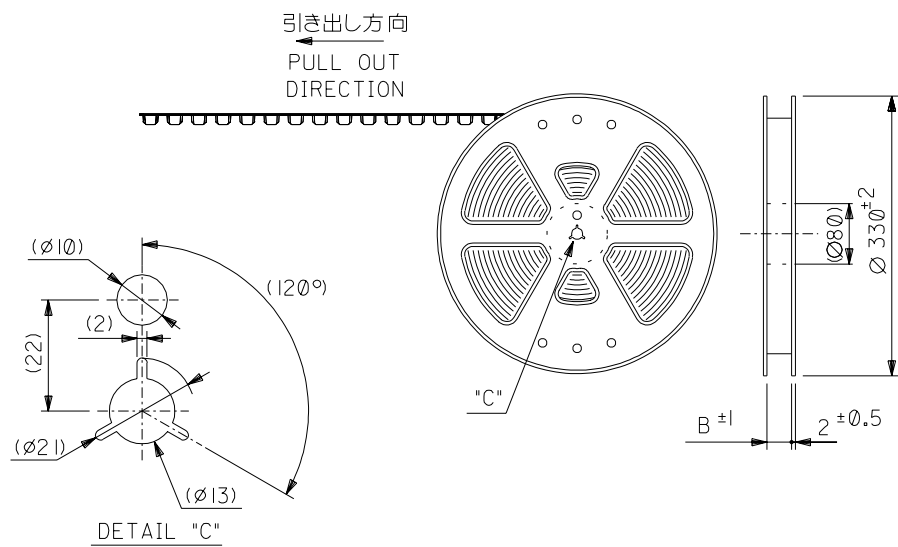
[53364](#) , [53307](#) , [53309](#)

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES		REVISED		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
1. 嵌合相手: 53307, 53309 シリーズ MATES WITH 53307, 53309 SERIES		EC NO: J2010-0755		10 UNDER ±0.2		MM ONLY		10:1		METRIC		◎	
2. ハウジングの ㊦ から隣接するターミナルの ㊦ 迄の位置を示す。 SHOW POSITION FROM ㊦ OF HOUSING TO ㊦ OF ADJACENT TERMINALS.		DRWN: INAKAGAWA01 2008/12/17		10 OVER 30 UNDER ±0.25		DRAWN BY Y. SAKIYAMA		DATE 2004/02/17		TITLE		0.8 BOARD TO BOARD CONN. HOUSING ASSY SMT	
3. 一対の基板の嵌合に於いて、本製品を2個以上 使用することは推奨できません。 MXJ DOSE NOT RECOMMEND THE USAGE OF TWO OR MORE OF THESE CONNECTORS BETWEEN A SINGLE PAIR OF P. C. BOARD.		CHKD: SMARUYAMA 2010/03/24		30 OVER ±0.3		CHECKED BY M. SASAO		DATE 2004/02/17		APPROVED BY M. SASAO		DATE 2004/02/17	
4. 本製品は 52465-**-27 の鉛フリー品である。 THIS PRODUCT IS LEAD FREE OF 52465-**-27.		APPR: MSASAO 2010/03/25		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		MOLEX INCORPORATED		SD-52465-028	
5. ELV 及び RoHS 適合品 ELV AND RoHS COMPLIANT		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.		1 OF 1	



NOTES

1. 梱包数量: 1000 個/リール NUMBER OF CONNECTORS: 1000 PCS/REEL

2. 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引き出し方向
PULL OUT
DIRECTIONリーダー部
(空部)
LEADER
PART (EMPTY)部品挿入部
COMPONENT
SUPPLIER末端部 (空部)
TAIL PART
(EMPTY)

120 ±20

150 ±40

3. 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引き出し方向
PULL OUT
DIRECTION

MATERIAL

4. 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)

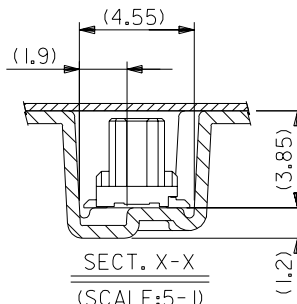
REEL: POLYSTYRENE (PS)

<リサイクル材を含む>

<RECYCLE MATERIAL CONTAINED>

5. 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
		☐ mm ☐ INCH ☒ mm ONLY		
		THIRD ANGLE PROJECTION		

DRAWN BY & DATE Y.SAKIYAMA '04/02/17	TITLE: 0.8 B-To-B Hsg Assy SMT Embstp Pkg -LEAD FREE-
CHECKED BY & DATE M.SASAO '04/02/17	
APPROVED BY & DATE M.SASAO '04/02/17	
CAD FILENAME SD-52465-029.S01	
MATERIAL NO. SEE CHART	DRAWING NO. SD-52465-029
	SHEET NO. 1 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

SIZE
B

DWG. NO.
SD-52465-029

F

D

▽

C

B

DO NOT SCALE DRAWING

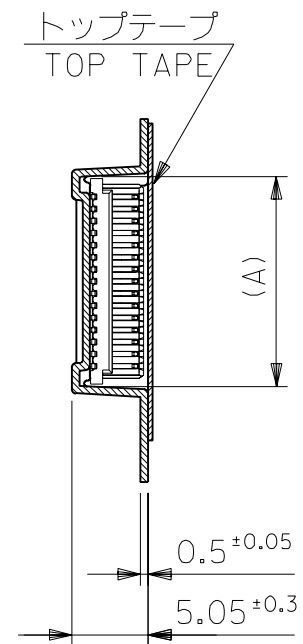
EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	RELEASED '04/02/17 EC NO. J2004-2482 DRWN: Y.SAKIYAMA CH'K: M.SASAO APPR: M.SASAO	DESCRIPTION REV
				0	

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	—//—

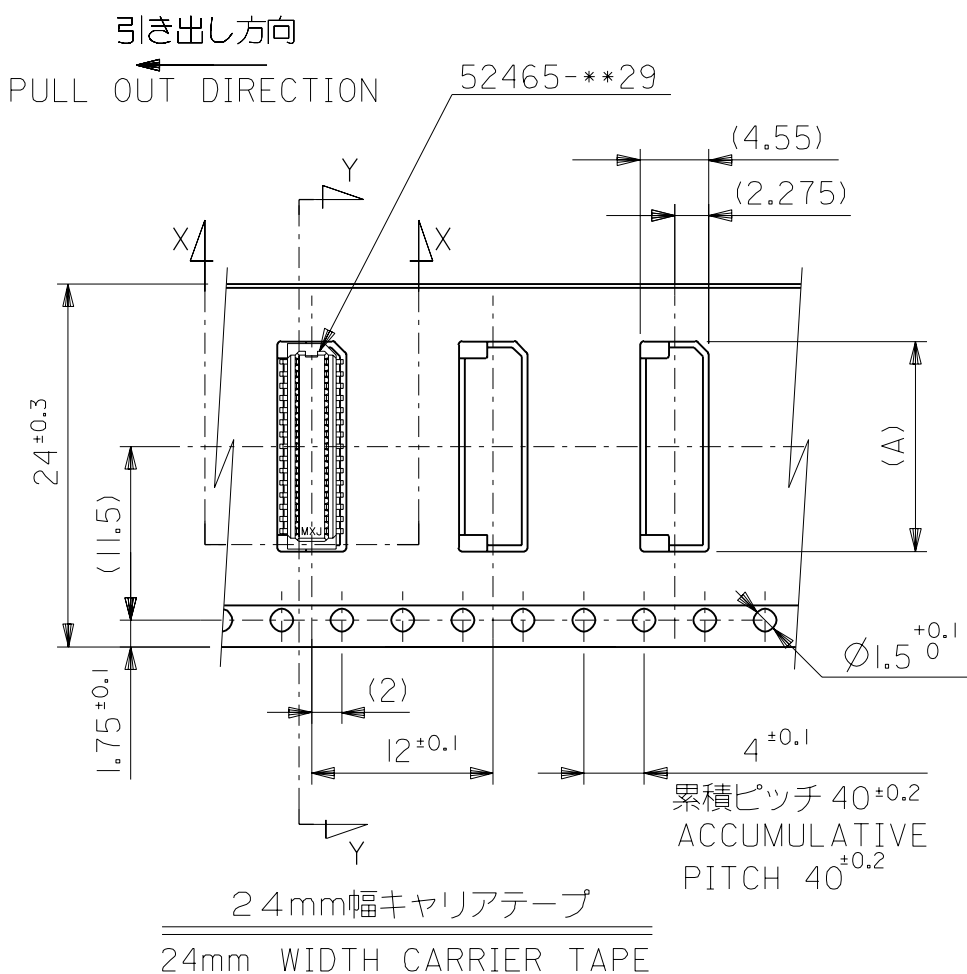
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	
10 UNDER 未満	±0.2
10 OVER 30 UNDER 以上 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

SCALE —//—	DESIGN UNITS ☒ mm ☐ INCH
DRAWN BY & DATE Y.SAKIYAMA '04/02/17	TITLE: 0.8 B-To-B Hsg Assy SMT Embstp Pkg -LEAD FREE-
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	

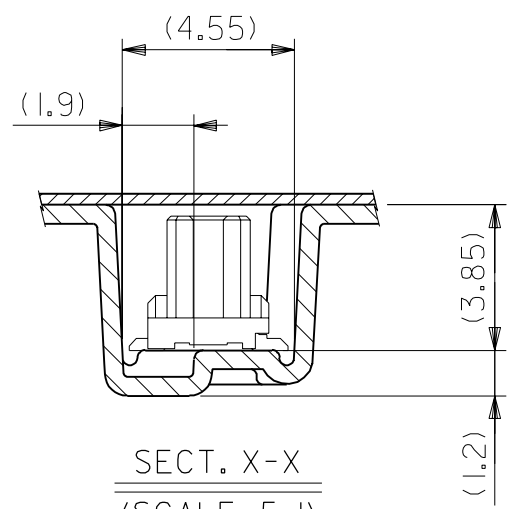
		THIRD ANGLE PROJECTION		☐ mm INCH		☐ INCH mm		☒ mm ONLY		REVISE ON CAD ONLY	
TITLE: 0.8 B-To-B Hsg Assy SMT Embstp Pkg -LEAD FREE-											
molex MOLEX INCORPORATED											
MATERIAL NO. SEE CHART				DRAWING NO. SD-52465-029				SHEET NO. 2 OF 2			
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD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



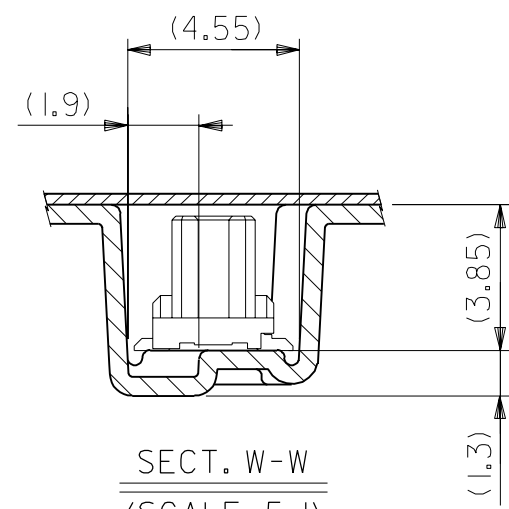
SECT. Y-Y



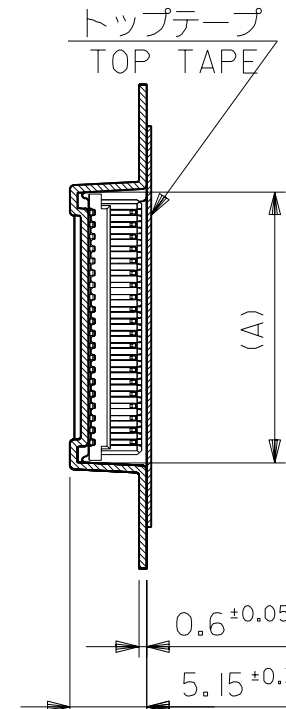
24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE



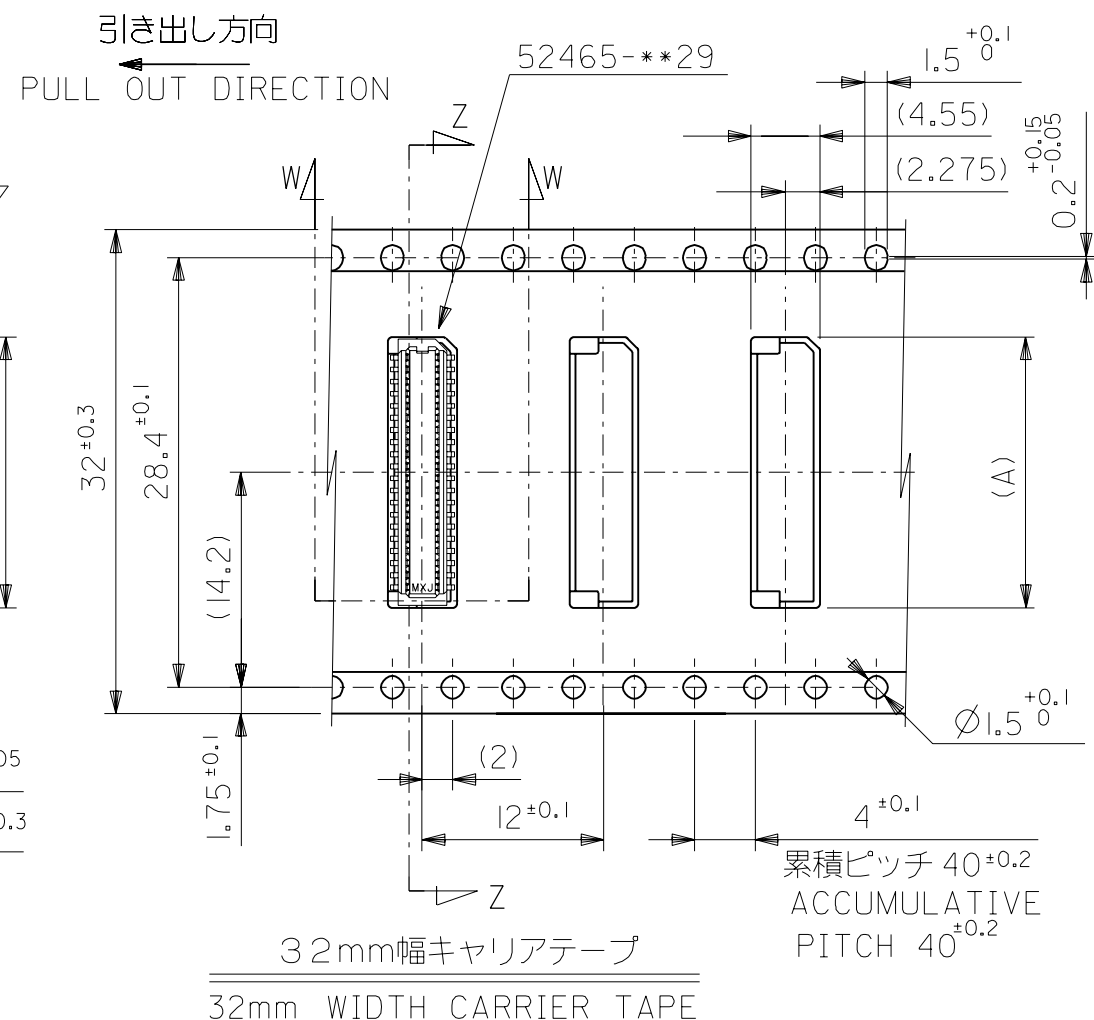
SECT. X-X
(SCALE; 5:1)



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



SECT. Z-Z



32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

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
キャリアテープ幅 CARRIER TAPE WIDTH	B	10.7	52465-2271	22
		9.9	52465-2071	20
		(A)	MATERIAL NO.	CIRCUITS