

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0524652071](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Board-to-Board Receptacle, Surface Mount, Dual Row, 20 Circuits, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-52465-010 \(PDF\)](#)
[Product Specification PS-52465-014 \(PDF\)](#)
[Product Specification PS-52465-015 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [52465](#)
Application Board-to-Board
Product Name N/A

Physical

Circuits (Loaded) 20
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

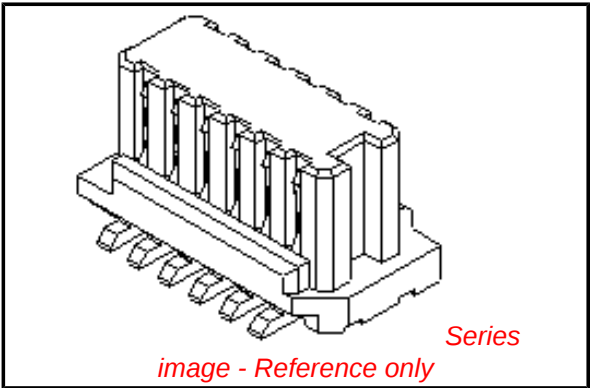
Electrical

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



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](#)

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

F

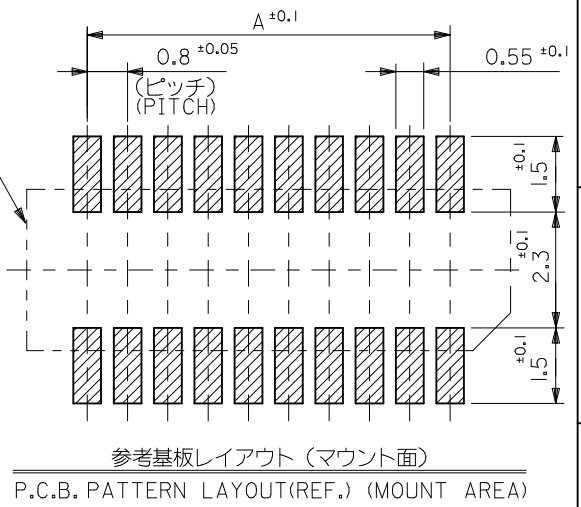
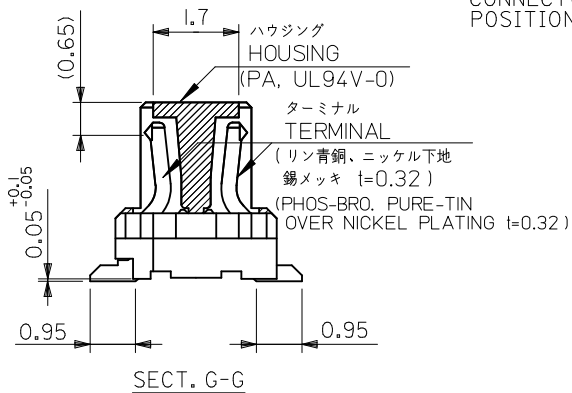
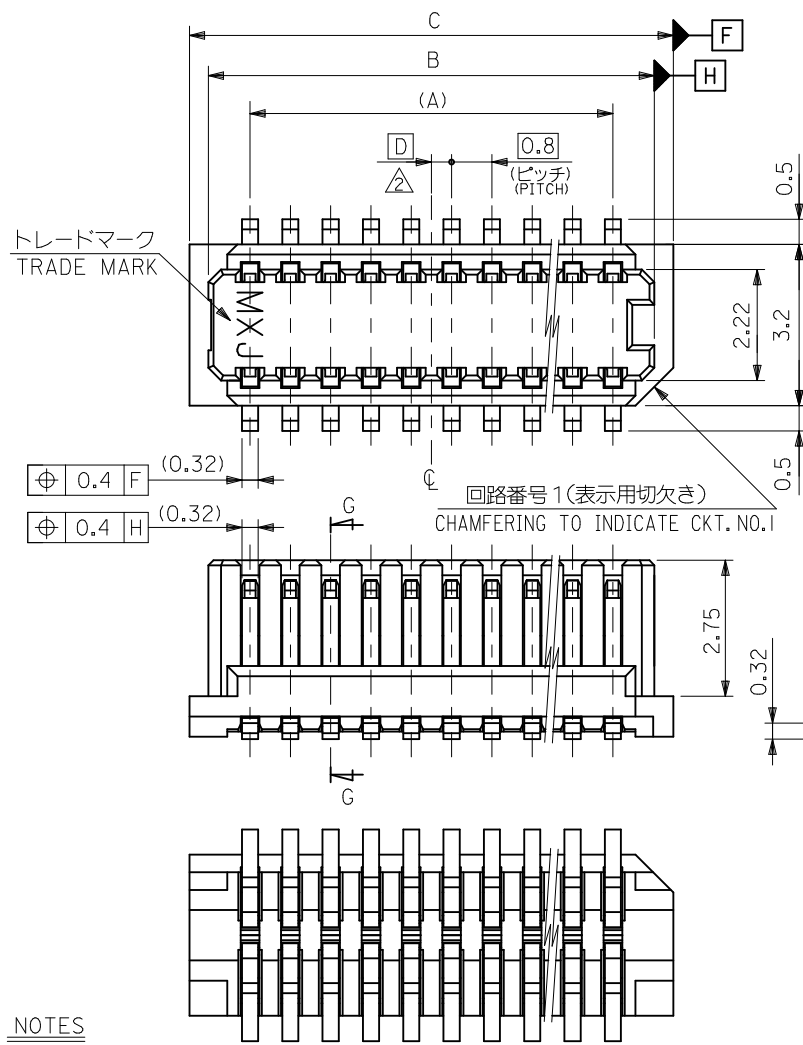
E

D

C

B

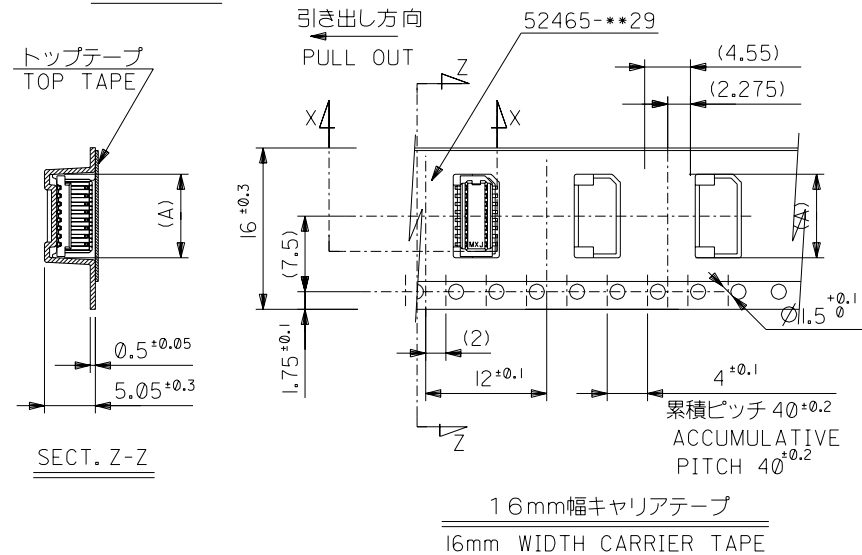
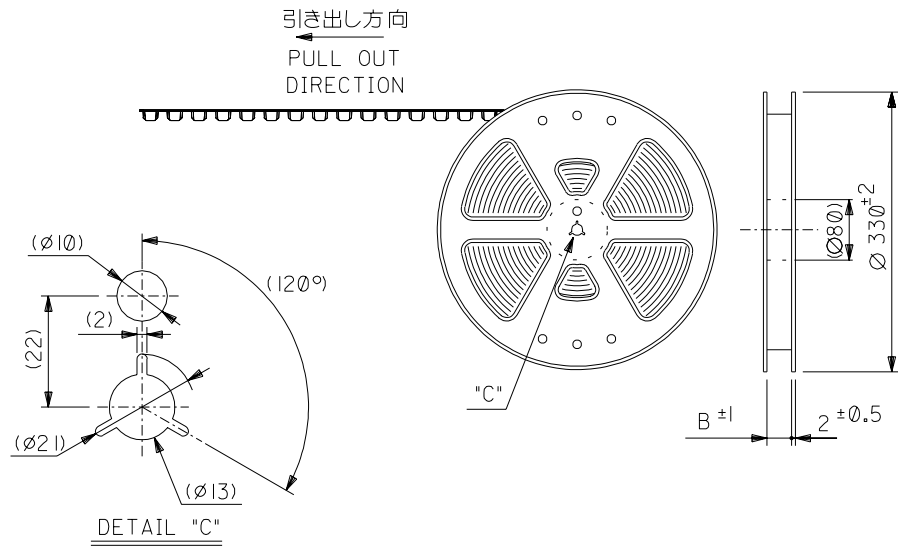
A



0.4	17.6	16.85	15.2	52465-4071	52465-4029	40
0.8	16.8	16.05	14.4	52465-3871	52465-3829	38
0.4	16.0	15.25	13.6	52465-3671	52465-3629	36
0.8	15.2	14.45	12.8	52465-3471	52465-3429	34
0.4	14.4	13.65	12.0	52465-3271	52465-3229	32
0.8	13.6	12.85	11.2	52465-3071	52465-3029	30
0.4	12.8	12.05	10.4	52465-2871	52465-2829	28
0.8	12.0	11.25	9.6	52465-2671	52465-2629	26
0.4	11.2	10.45	8.8	52465-2471	52465-2429	24
0.8	10.4	9.65	8.0	52465-2271	52465-2229	22
0.4	9.6	8.85	7.2	52465-2071	52465-2029	20
0.8	8.8	8.05	6.4	52465-1871	52465-1829	18
0.4	8.0	7.25	5.6	52465-1671	52465-1629	16
0.8	7.2	6.45	4.8	52465-1471	52465-1429	14
0.4	6.4	5.65	4.0	52465-1271	52465-1229	12
0.8	5.6	4.85	3.2	52465-1071	52465-1029	10
D	C	B	A	EMBOSSED TAPE ORDER No.	MATERIAL NO.	CKT.

- NOTES
1. 嵌合相手: 53307, 53309 シリーズ
MATES WITH 53307, 53309 SERIES
 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.
 3. 一對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.
 4. 本製品は 52465-**27 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52465-**27.
 5. ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT

REVISED EC NO: J2010-0755 DRWN: INAKAGAWA01 2008/12/17 CHKD: SMARUYAMA 2010/03/24 APPR: MSASAO 2010/03/25 A	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY Y. SAKIYAMA	DATE 2004/02/17	TITLE 0.8 BOARD TO BOARD CONN. HOUSING ASSY SMT				
		10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO	DATE 2004/02/17	MOLEX INCORPORATED SD-52465-028 1 OF 1				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/02/17					
		ANGULAR ±3 °		SEE TABLE		MATERIAL NO. DOCUMENT NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



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)

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

MATERIAL

剥離方向
PEEL OFF
DIRECTION

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

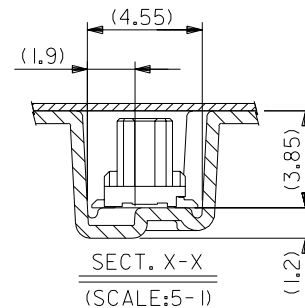
TOP TAPE: PET, PE, PEF

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

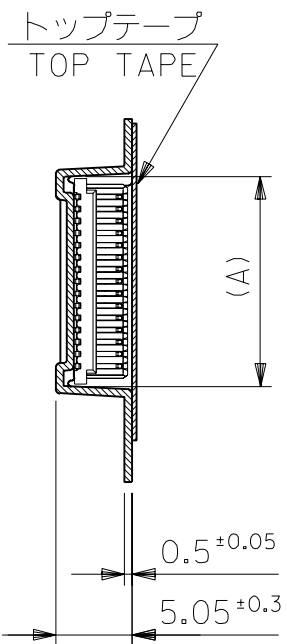
EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	RELEASED '04/02/17 EC NO. J2004-2482 DRWN: Y.SAKIYAMA CH'K: M.SASAO APPR: M.SASAO	DESCRIPTION REV
				0	

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	—//—

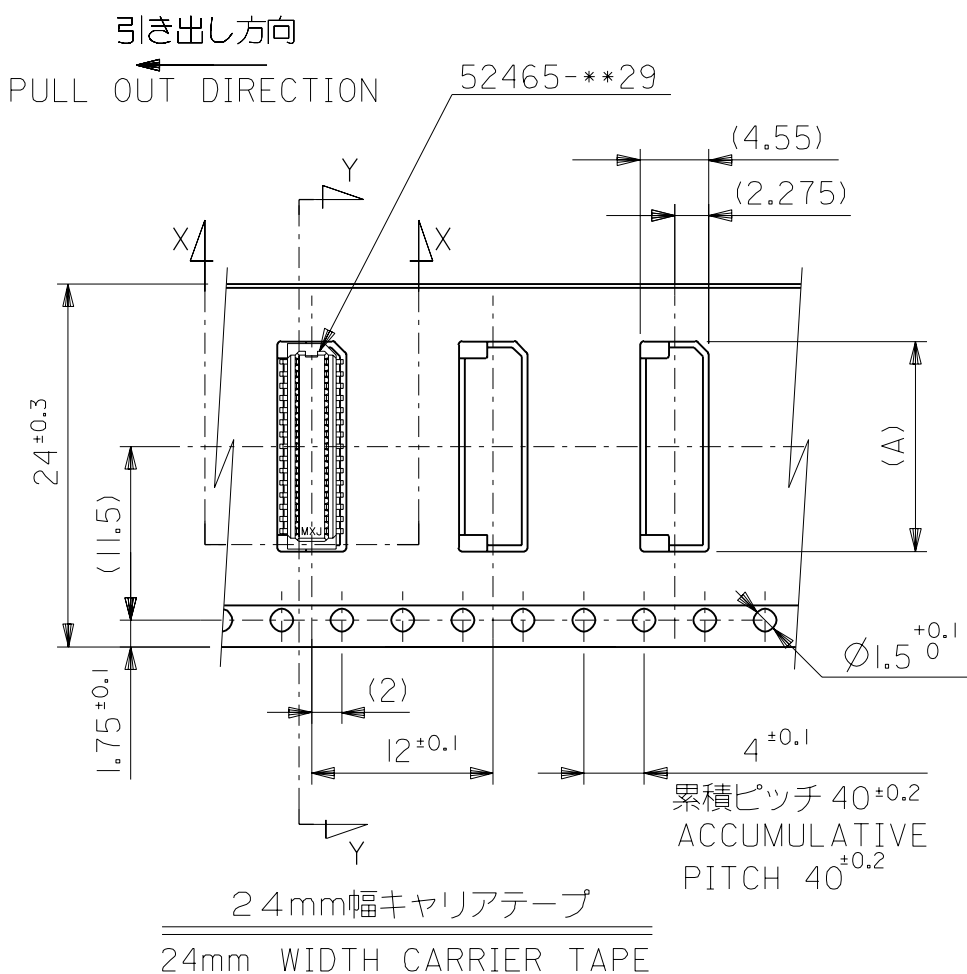
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	
10 UNDER 未満	±0.2
10 OVER 30 UNDER 以上 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

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	

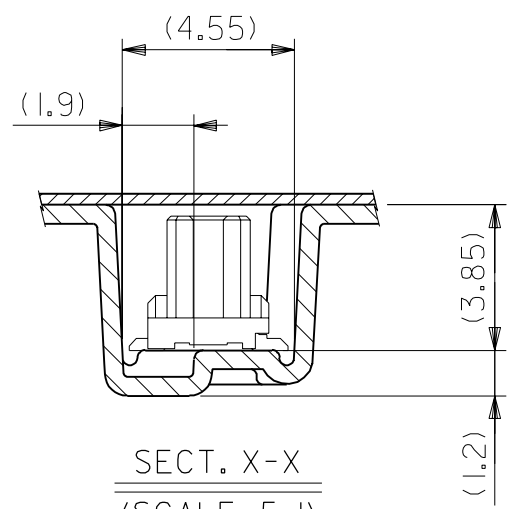
 THIRD ANGLE PROJECTION		☐ mm INCH		☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY
TITLE: 0.8 B-To-B Hsg Assy SMT Embstp Pkg -LEAD FREE-						
molex MOLEX INCORPORATED						
MATERIAL NO. SEE CHART		DRAWING NO. SD-52465-029			SHEET NO. 2 OF 2	
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT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



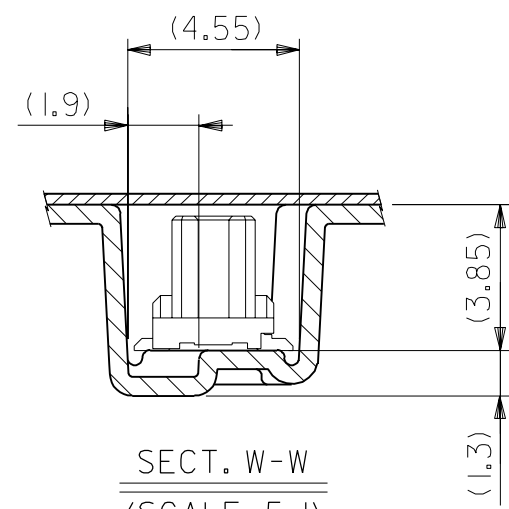
SECT. Y-Y



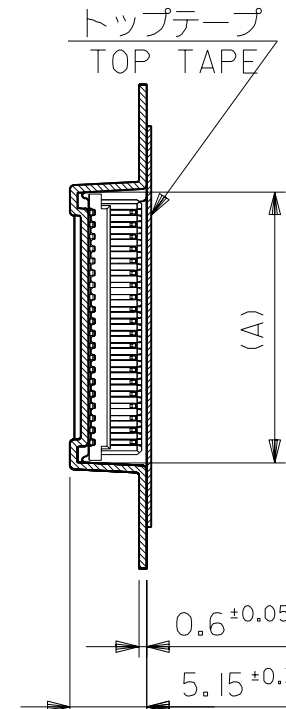
24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE



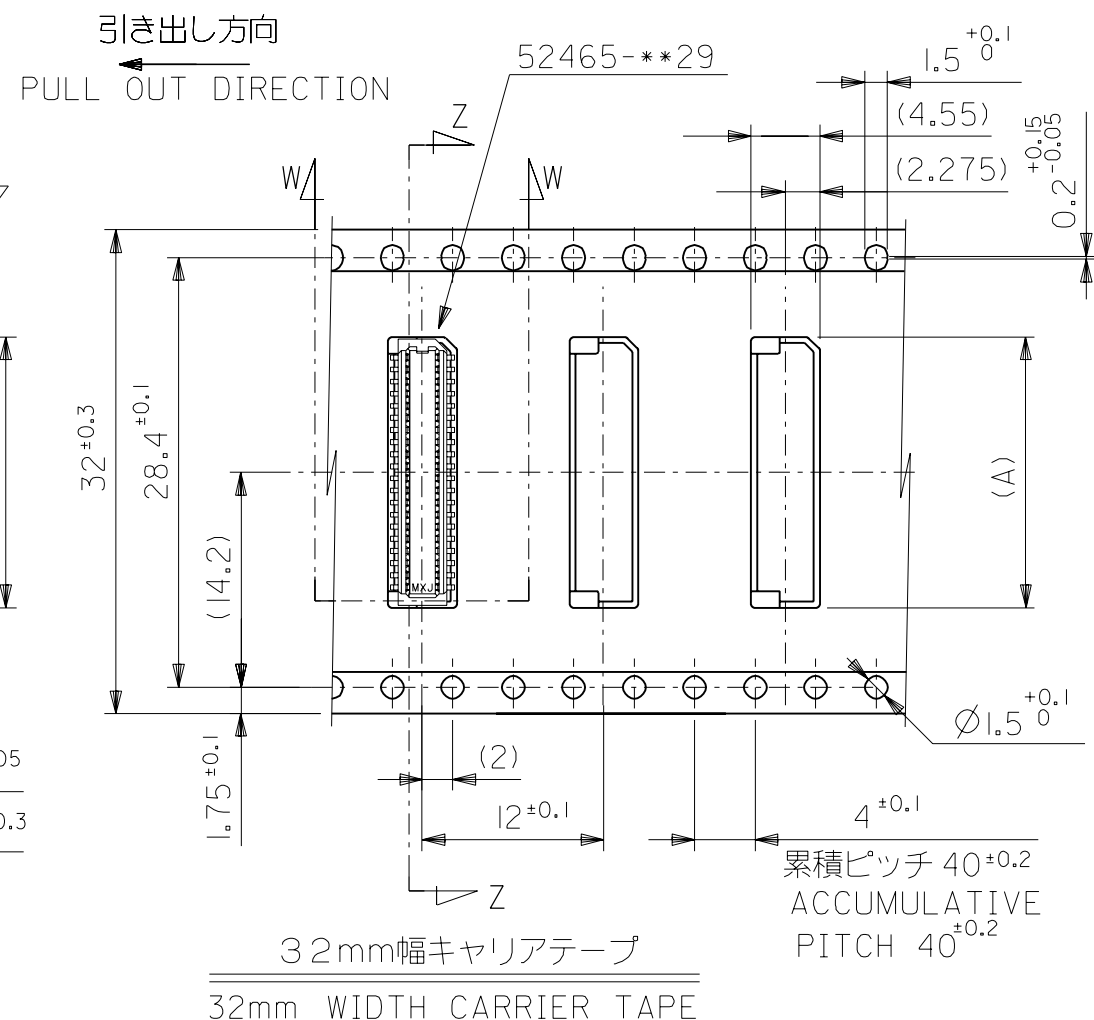
SECT. X-X
(SCALE; 5:1)



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
		(A)	MATERIAL NO.	CIRCUITS