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Part Number: [0524652271](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Board-to-Board Receptacle, Surface Mount, Dual Row, 22 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)	22
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

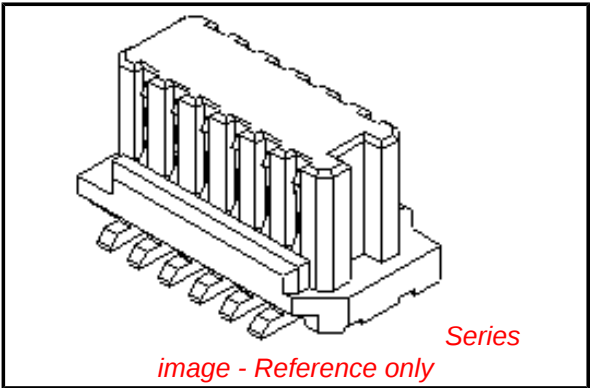
Electrical

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
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

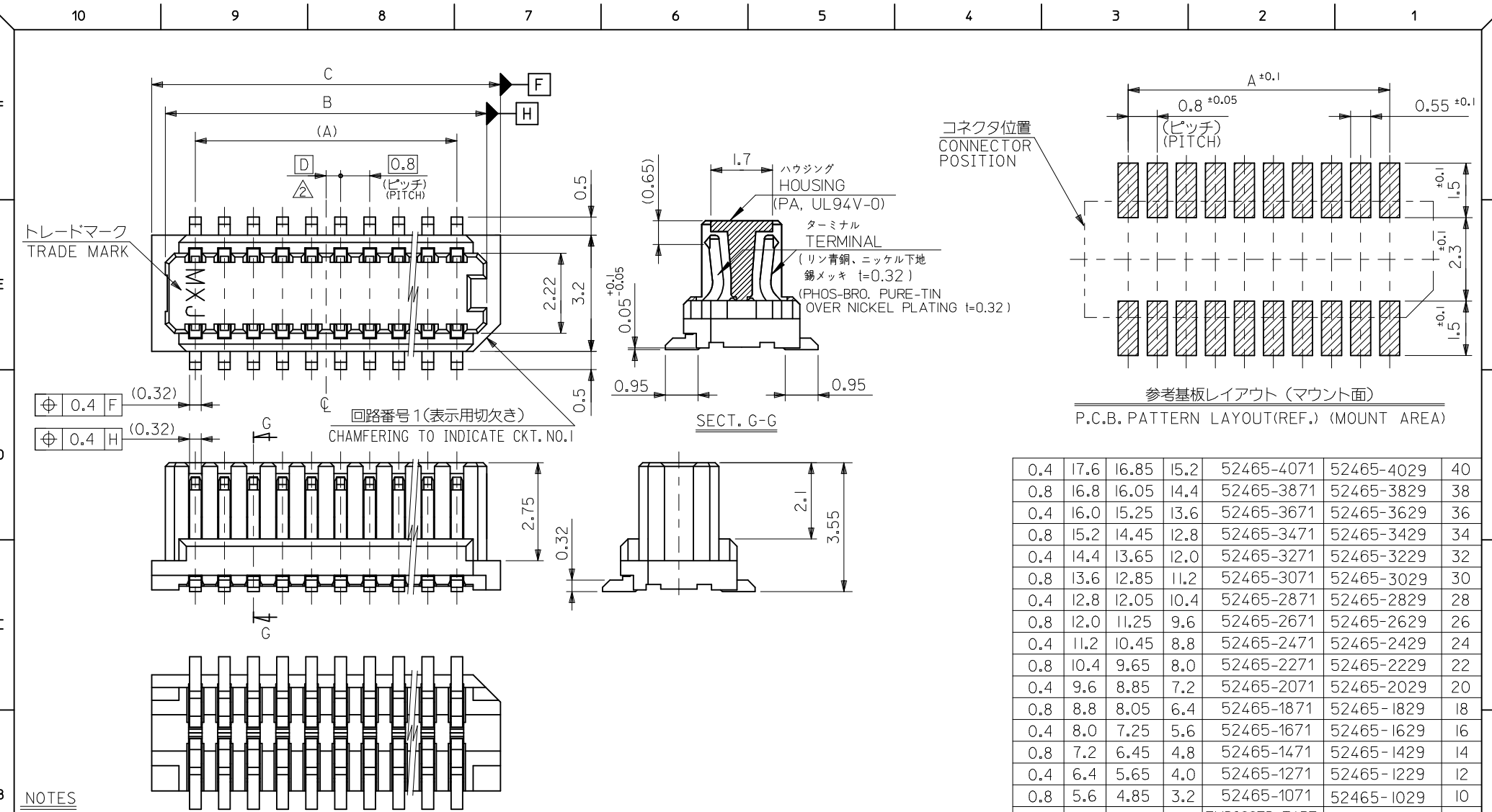
[52465Series](#)

Mates With

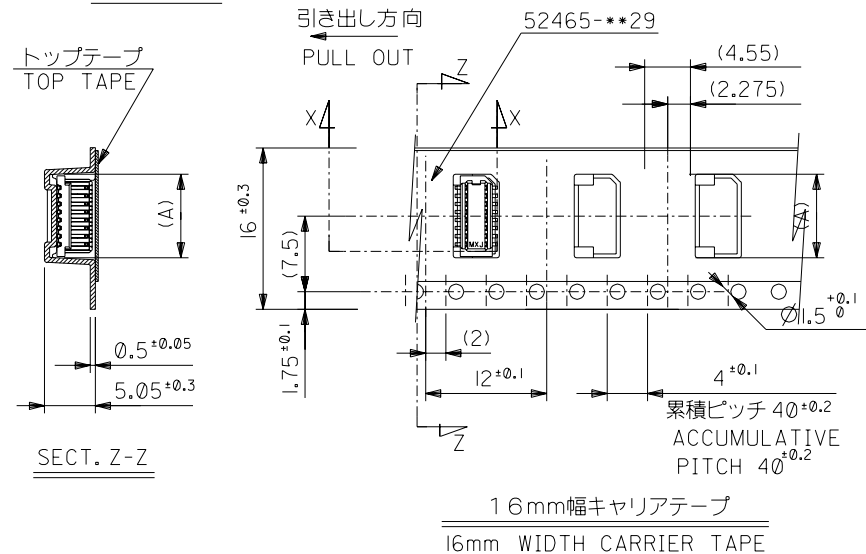
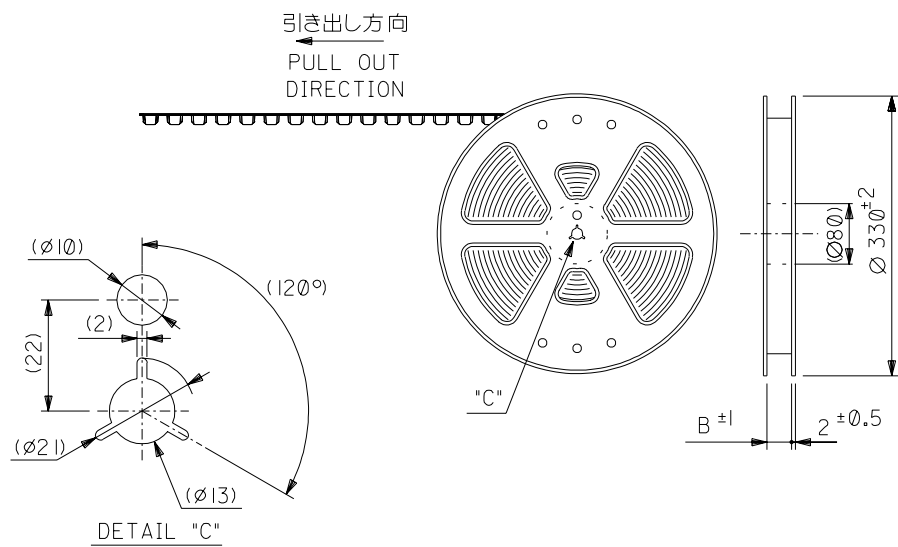
[53307](#) , [53309](#)

This document was generated on 06/07/2010

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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 DATE		TITLE		0.8 BOARD TO BOARD CONN. HOUSING ASSY SMT		MOLEX INCORPORATED	
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 DATE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
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 °		APPROVED BY DATE		SEE TABLE		SD-52465-028		1 OF 1	
5. ELV 及び RoHS 適合品 ELV AND RoHS COMPLIANT		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		M. SASAO 2004/02/17		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

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)

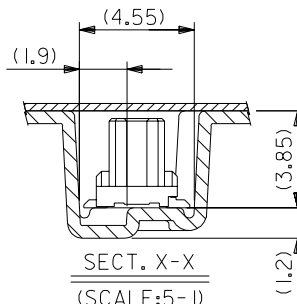
REEL: POLYSTYRENE (PS)

<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

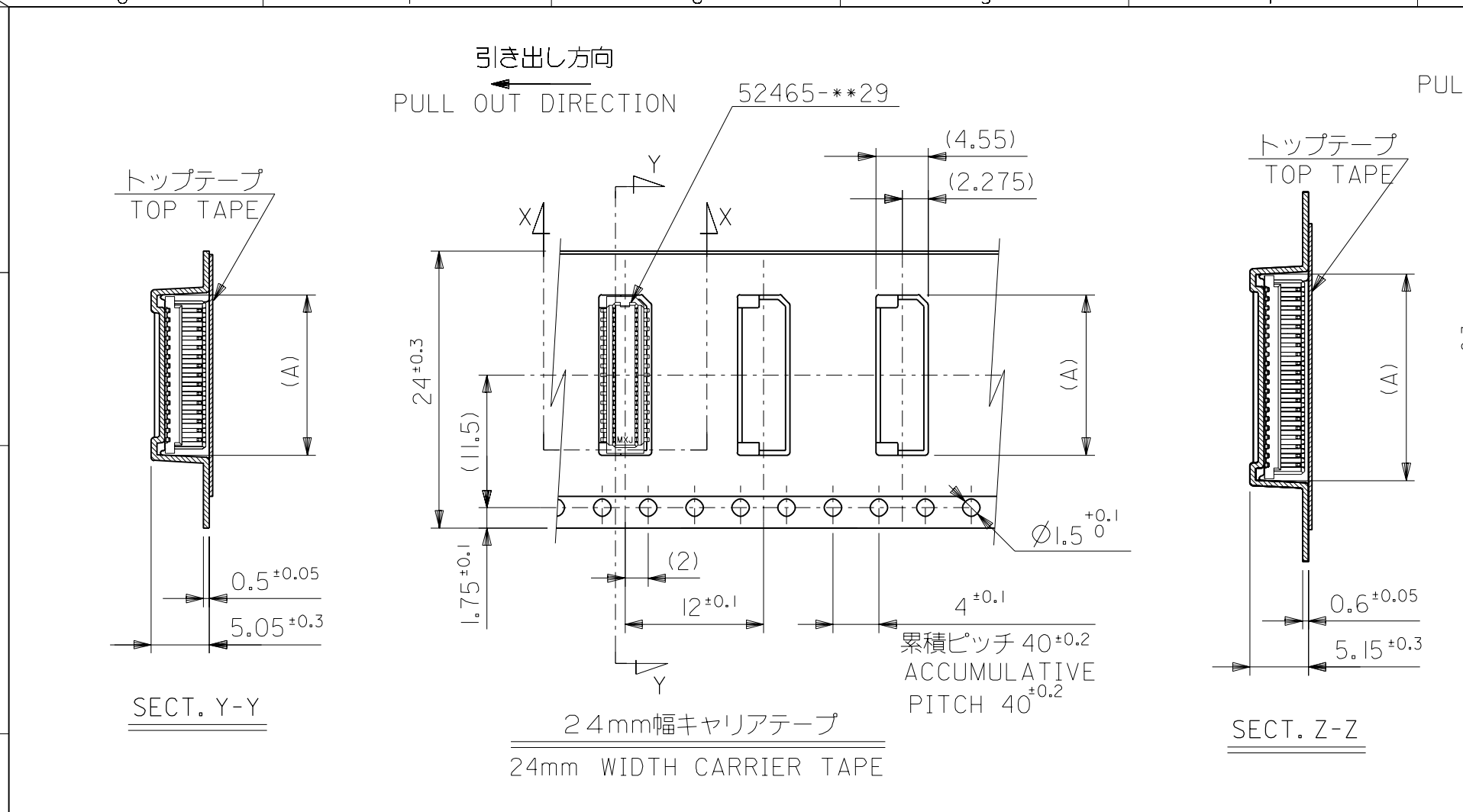
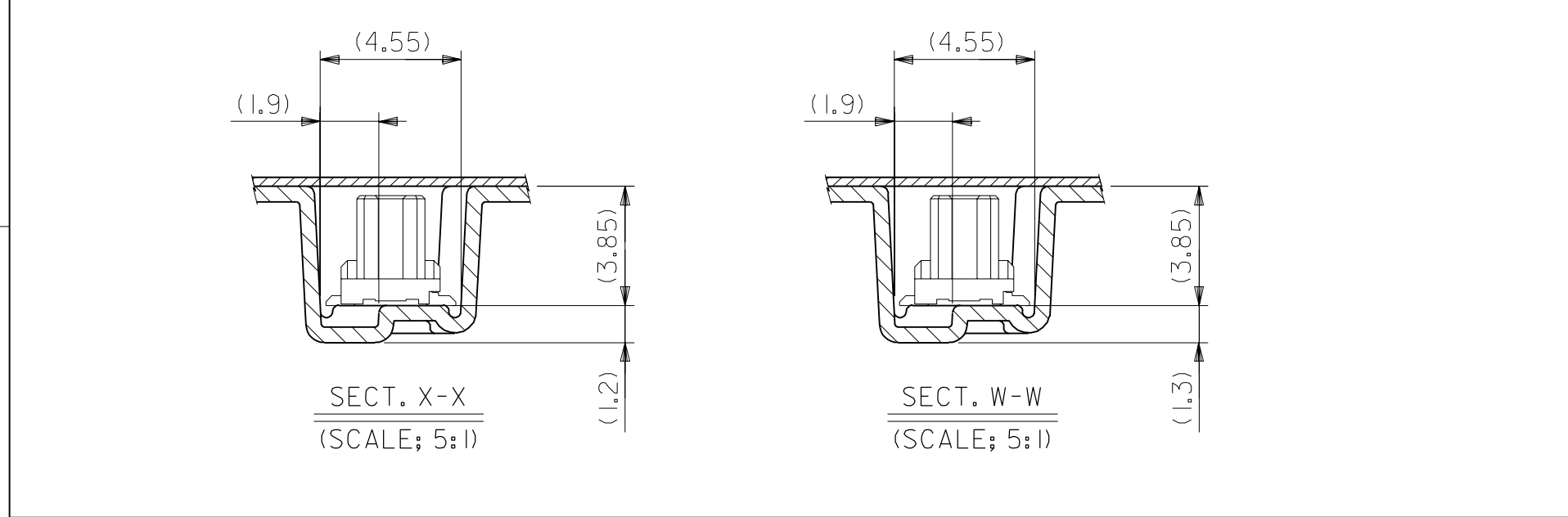
EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	RELEASED '04/02/17 EC NO. J2004-2482 DRWN: Y.SAKIYAMA CH'K: M.SASAO APPR: M.SASAO	DESCRIPTION REV
				0	

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	—//—

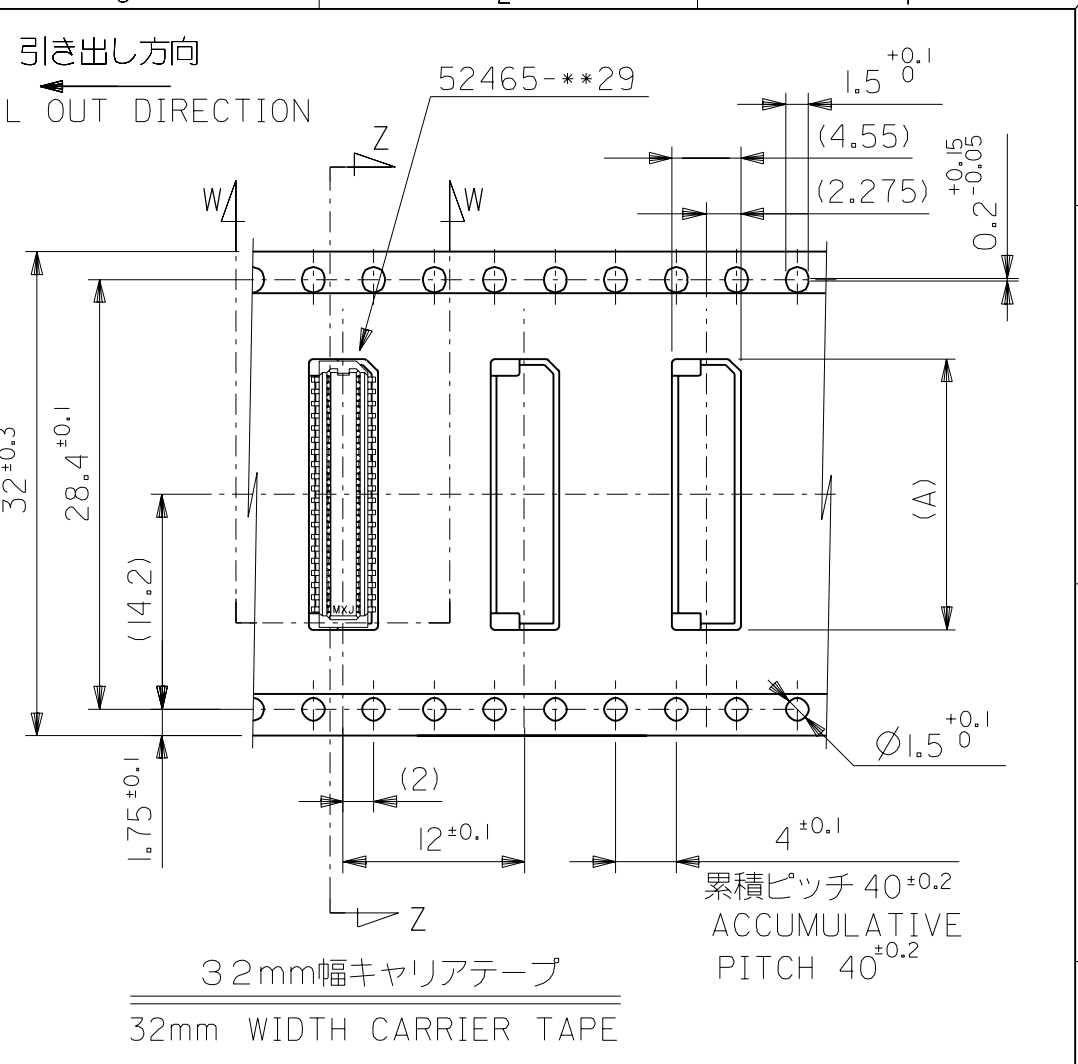
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	
10 UNDER 未満	±0.2
10 OVER 30 UNDER 以上 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

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	MATERIAL NO. SEE CHART
CAD FILENAME SD-52465-029.S02	

DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV
THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
MOLEX INCORPORATED			
DRAWING NO. SD-52465-029	SHEET NO. 2 OF 2	SIZE B	



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)	MATERIAL NO.	CIRCUITS
MODEL NO.	52465-**-71	DIMENSIONS:		SHT



C

B

SD-52465-029.S02

8

7

6

5

4

3

2

1

8

7

6

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3

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EN-02J(097) MXJ-54

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