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Part Number: [0545520402](#)
Status: **Active**
Description: 0.40mm (.016") Pitch Board-to-Board SlimStack™ Receptacle, SMT, Dual Row, with Plastic Pegs, Right Angle, 40 Circuits

Documents:

[3D Model](#) [Product Specification PS-54552-023 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [54552](#)
Application Board-to-Board
Product Name SlimStack™

Physical

Circuits (Loaded) 40
Color - Resin Brown
Durability (mating cycles max) 30
Glow-Wire Compliant No
Mated Height (in) 0.167 In, 0.171 In
Mated Height (mm) 4.25 mm, 4.35 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Number of Rows 2
Orientation Right Angle
PCB Locator Yes
PCB Retention None
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.016 In
Pitch - Mating Interface (mm) 0.40 mm
Polarized to PCB No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount

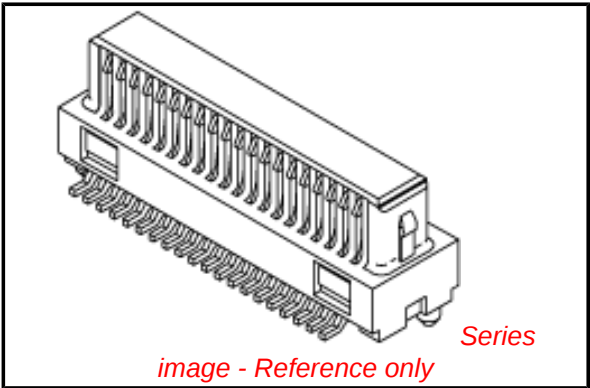
Electrical

Current - Maximum per Contact 0.3A
Voltage - Maximum 30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-54552-017
Product Specification PS-54552-023
Sales Drawing SD-54552-023, SD-54552-024



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

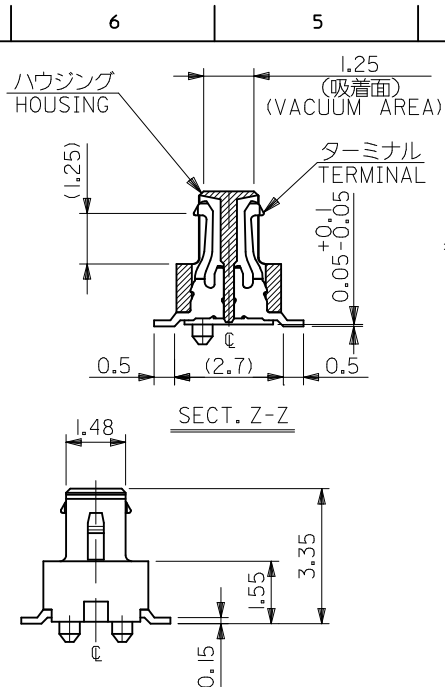
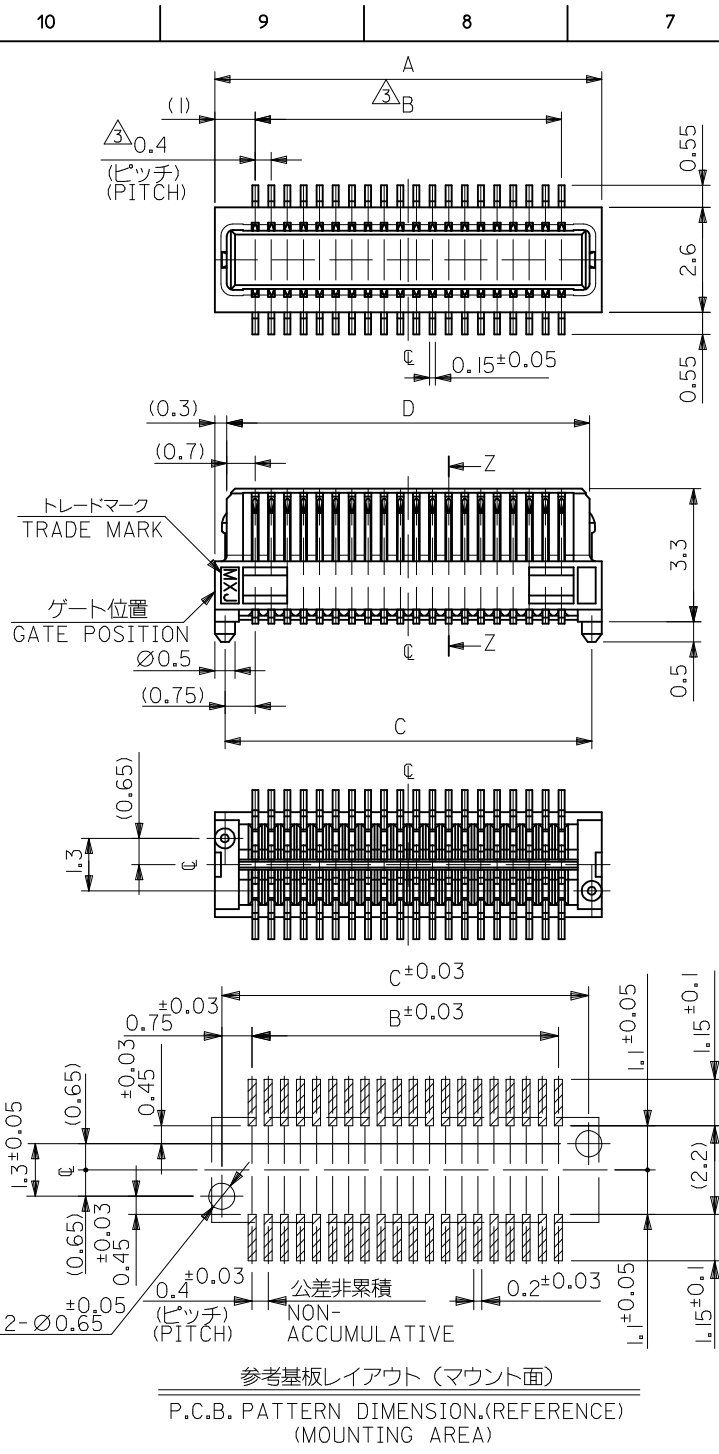
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[54552Series](#)

Mates With

[55394](#) PCB Header . [503376](#) PCB Header



注記 NOTES

- 1. 使用材料 MATERIAL
ハウジング:液晶ポリマー ガラス充填 UL94V-0 茶色
HOUSING:LIQUID CRYSTAL POLYMER, GLASS FILLED, UL94V-0, COLOR BROWN
ターミナル:リン青銅 (t=0.15)
TERMINAL:PHOSPHOR BRONZE (t=0.15)
- 2. メッキ仕様 PLATING
金メッキ (コンタクト部)
GOLD PLATING (CONTACT AREA)
錫メッキ (テール部)
TIN PLATING (TAIL AREA)
下地メッキ:ニッケルメッキ
UNDER PLATING: NICKEL
- △ テール部に適用。
APPLY TO THE TAIL AREA.
- 4. 嵌合相手: 55394 / 503376 シリーズ
MATE WITH: 55394 / 503376 SERIES.
- 5. テール平坦度は、0.08 以下
TAIL COPLANARITY TO BE 0.08 MAXIMUM
- 6. ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT

23.0	23.1	21.6	23.6	54552-1102	54552-1100	110
19.0	19.1	17.6	19.6	54552-0902	54552-0900	90
9.0	9.1	7.6	9.6	54552-0402	54552-0400	40
7.8	7.9	6.4	8.4	54552-0342	54552-0340	34
7.0	7.1	5.6	7.6	54552-0302	54552-0300	30
D	C	B	A	EMBOSSD TAPE	MATERIAL No.	CKT.
ORDER No. オークター番号				MODEL No. : 54552-***0		

REVISED

EC NO: J2009-2156

DRWN:MTAKASAKI 2009/03/26

CHKD:THARUYAMA 2009/03/27

APPR:NUKITA 2009/03/30

DESCRIPTION

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER ±0.2

10 OVER 30 UNDER ±0.25

30 OVER ±0.3

ANGULAR ±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY N. AIDA

DATE '05/02/03

CHECKED BY K. TOYODA

DATE '05/02/03

APPROVED BY N. UKITA

DATE '05/02/03

MATERIAL NO.

SEE TABLE

SIZE A3

SCALE ---

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

0.4 B/B CONN RA REC HSG ASSY

MOLEX INCORPORATED

SD-54552-023

1 OF 1

DOCUMENT NO.

SHEET NO.

10

9

8

7

6

5

4

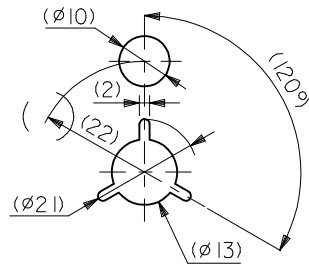
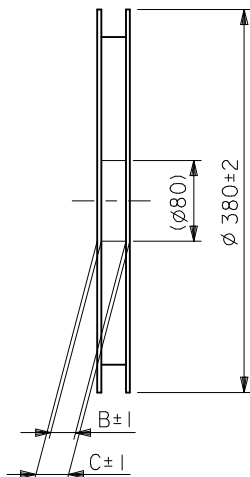
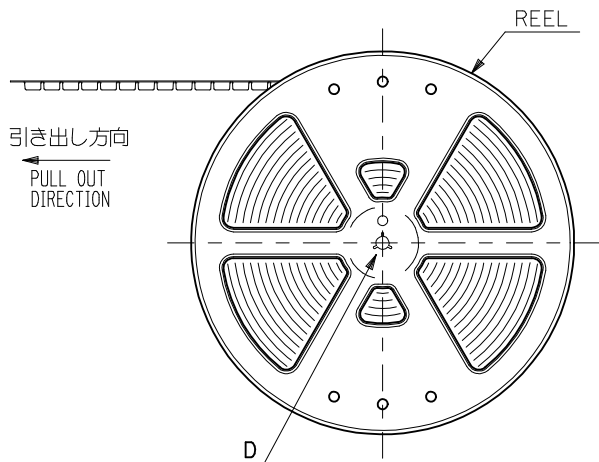
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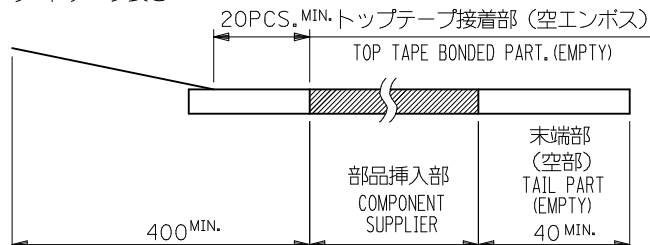
NOTES

- 製品詳細寸法については SD-54552-023 を参照下さい。
RE DETAILED DIMENSION, SEE SD-54552-023.
- 梱包数量：1500個／リール
NUMBER OF CONNECTORS：1500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH

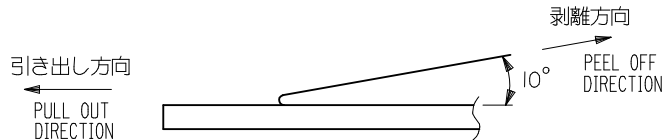


DETAIL D

引き出し方向
PULL OUT DIRECTION



- 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こと。)
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.



- 材料(MATERIAL)
キャリアテープ (CARRIER TAPE)：ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE)：PET, PE, PEF
リール (REEL)：ポリスチレン (P.S.) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

54552-1102	110
54552-0902	90
54552-0402	40
54552-0342	34
54552-0302	30
MATERIAL NO.	極数 CIRCUITS

REVISED EC NO: J2009-2156 DRWN:MTAKASAKI 2009/03/26 CHKD:THARUYAMA 2009/03/27 APPR:NUKITA 2009/03/30	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY N. AIDA		DATE '05/02/03	TITLE EMBSTP PKG FOR 0.4 B/B CONN RA REC HSG ASSY			
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOYODA		DATE '05/02/03				
		30 OVER	± 0.3	APPROVED BY N. UKITA		DATE '05/02/03				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54552-024		1 OF 4			
	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

9

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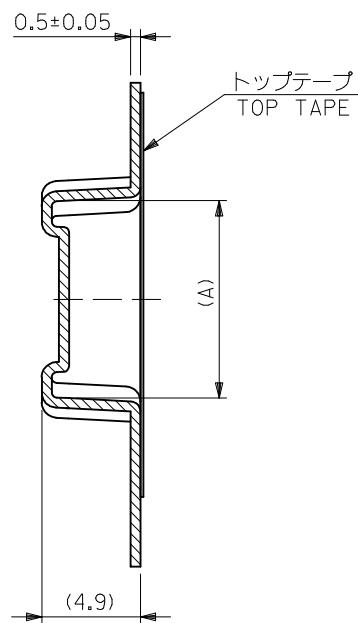
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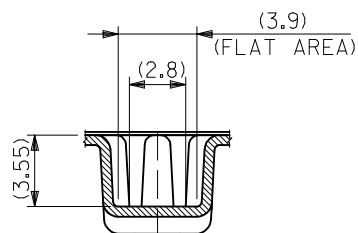
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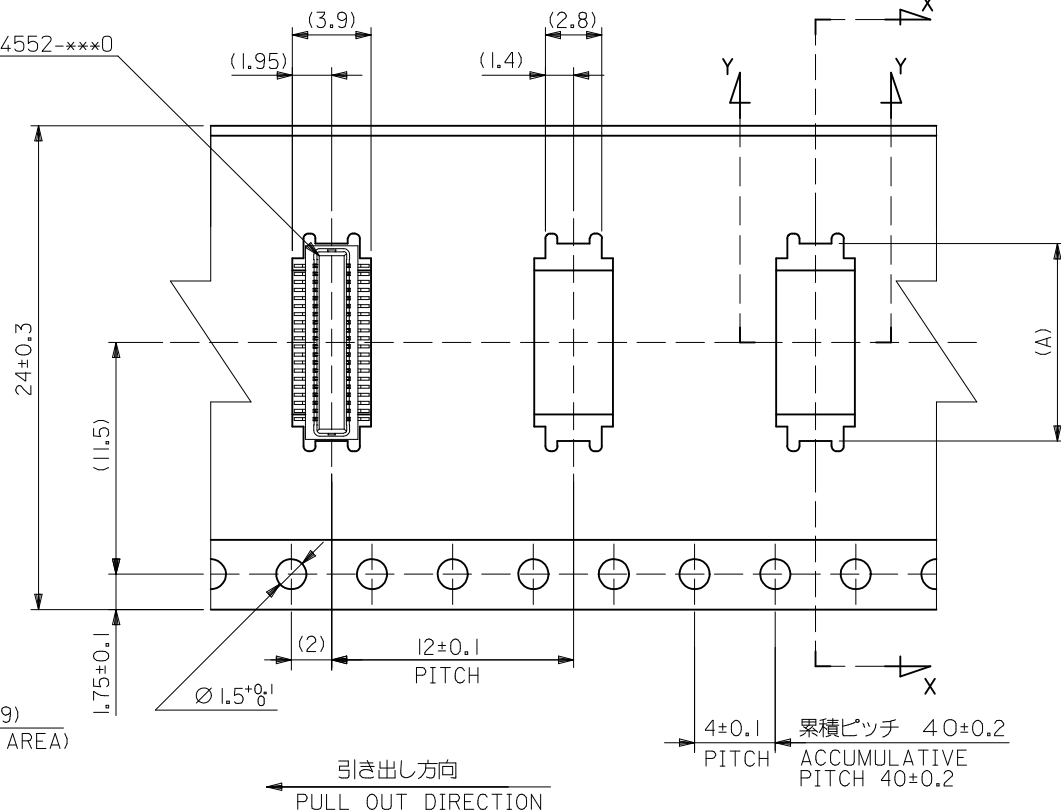


SECT X-X



SECT Y-Y

54552-***0



24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

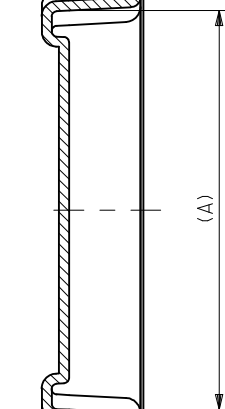
24	29.4	25.4	9.8	54552-0402	40
			8.6	54552-0342	34
			7.8	54552-0302	30
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CIRCUITS

MODEL NO. 54552-***2

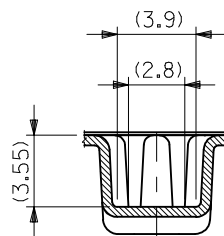
THIRD ANGLE PROJECTION

REVISED EC NO: J2009-2156 DRWN:MTAKASAKI 2009/03/26 CHKD:THARUYAMA 2009/03/27 APPR:NUKITA 2009/03/30	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	CELL NO.: 04552-XXXZ THIRD ANGLE PROJECTION
		10 UNDER	±0.2	DRAWN BY N. AIDA	DATE '05/02/03	TITLE EMBSTP PKG FOR 0.4 B/B CONN RA REC HSG ASSY		
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOYODA	DATE '05/02/03			
		30 OVER	±0.3	APPROVED BY N. UKITA	DATE '05/02/03			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54552-024		2 OF 4	
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

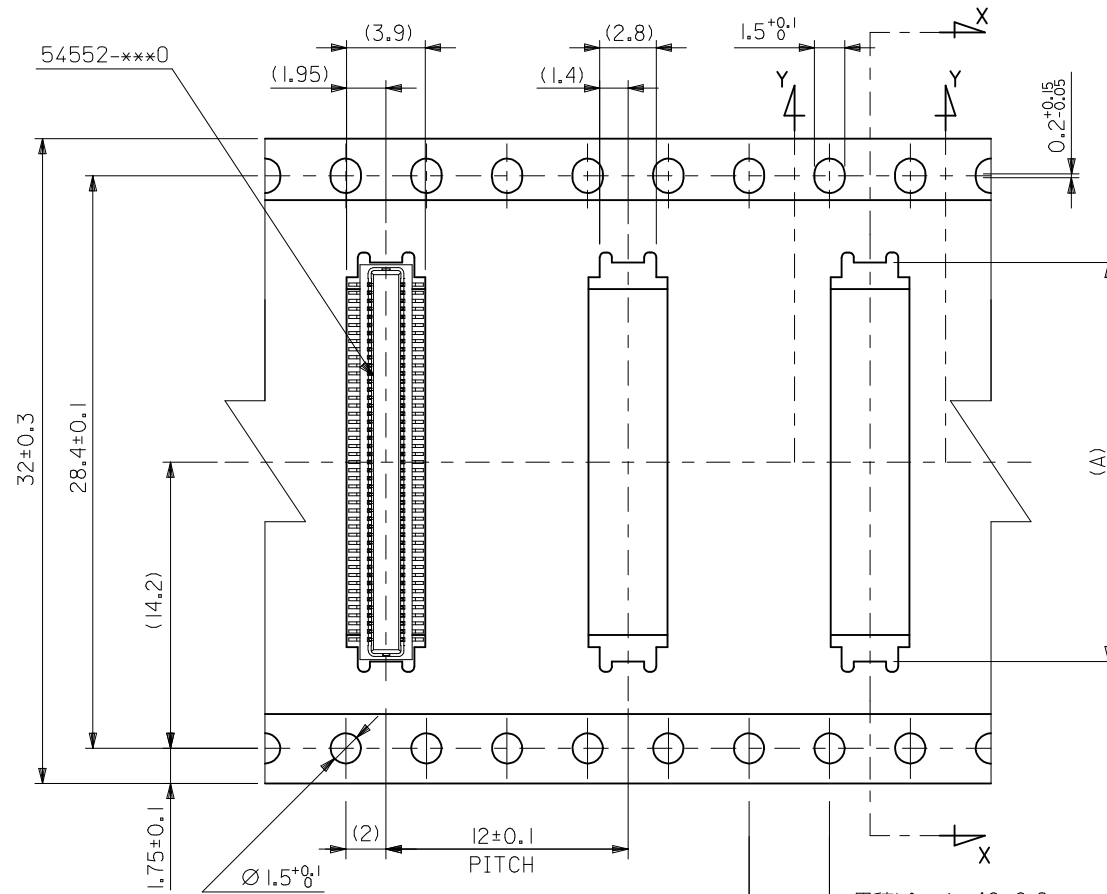
0.5±0.05
トップテープ
TOP TAPE



SECT X-X



SECT Y-Y

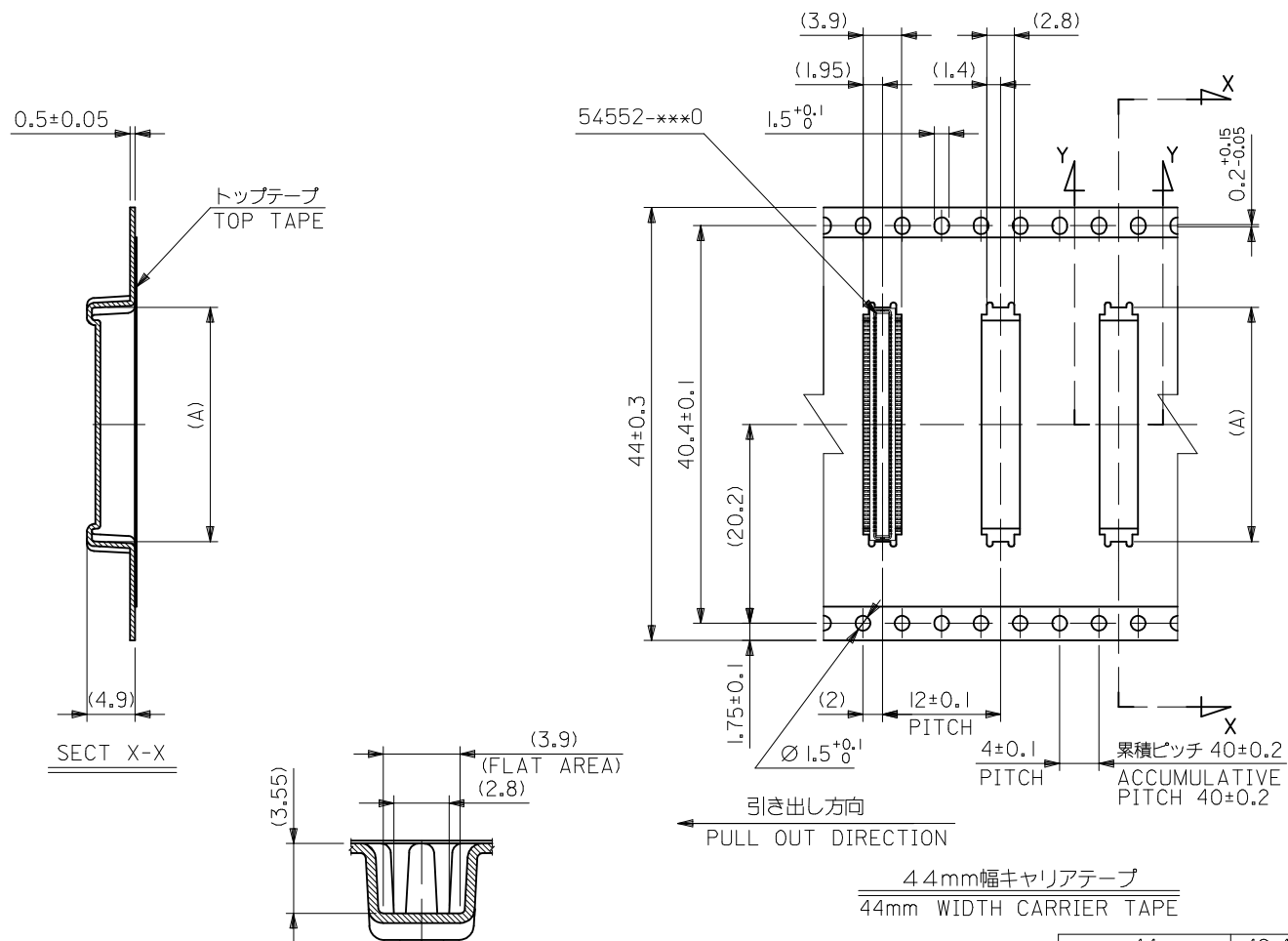


引き出し方向
PULL OUT DIRECTION
32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	37.4	33.4	19.8	54552-0902	90
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL. NO.	極数 CIRCUIT

MODEL NO.	54552-***2
THIRD ANGLE PROJECTION	

REVISED EC NO: J2009-2156 DRWN:MTAKASAKI 2009/03/26 CHKD:THARUYAMA 2009/03/27 APPR:NUKITA 2009/03/30	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY N. AIDA	DATE '05/02/03	TITLE EMBSTP PKG FOR 0.4 B/B CONN RA REC HSG ASSY			
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOYODA	DATE '05/02/03				
		30 OVER	± 0.3	APPROVED BY N. UKITA	DATE '05/02/03	MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54552-024		3 OF 4		
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



44	49.4	45.4	23.8	54552-1102	110
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CIRCUITS

REVISED EC NO: J2009-2156 DRWN: MTAKASAKI CHKD: THARUYAMA APPR: NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL NO. 54552-***2	THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY N. AIDA	DATE '05/02/03	TITLE EMBSTP PKG FOR 0.4 B/B CONN RA REC HSG ASSY				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOYODA	DATE '05/02/03					
		30 OVER	±0.3	APPROVED BY N. UKITA	DATE '05/02/03	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54552-024		4 OF 4		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								