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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

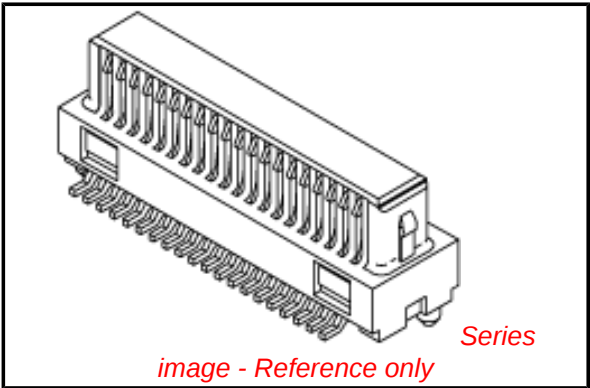


image - Reference only

EU RoHS

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

China RoHS



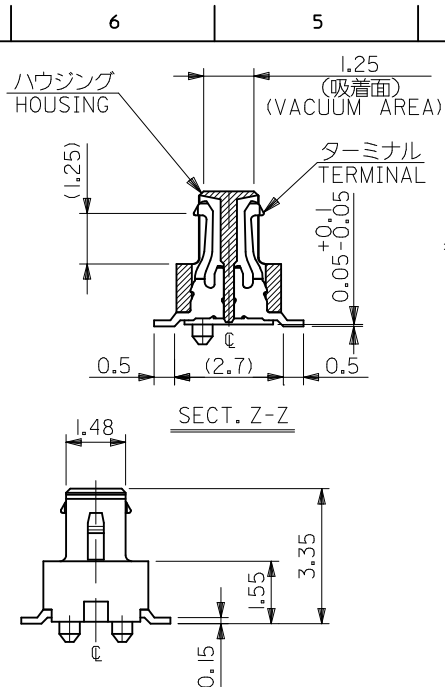
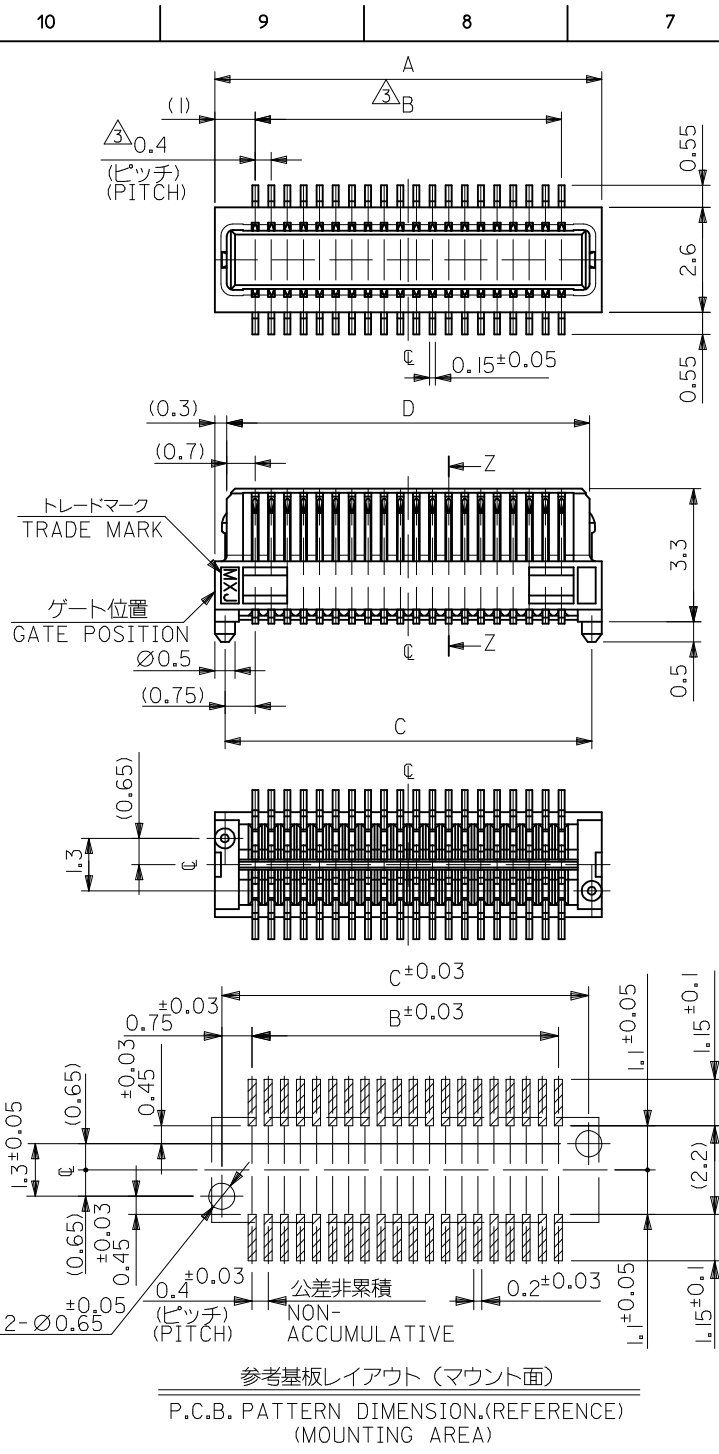
**Need more information on product
environmental compliance?**

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
- 3. 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. オート番号				MODEL No. : 54552-***0		

REVISED
EC NO: J2009-2156
DRWN: TAKASAKI
CHKD: THARUYAMA
APPR: NUKITA

DESCRIPTION
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
DATE
CHECKED BY
DATE
APPROVED BY
DATE
MATERIAL NO.
SIZE
A3

SCALE

DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
0.4 B/B CONN RA
REC HSG ASSY
MOLEX INCORPORATED
SD-54552-023
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SHEET NO.
1 OF 1

10

9

8

7

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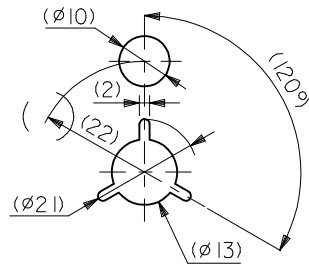
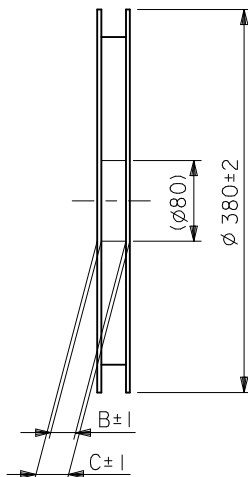
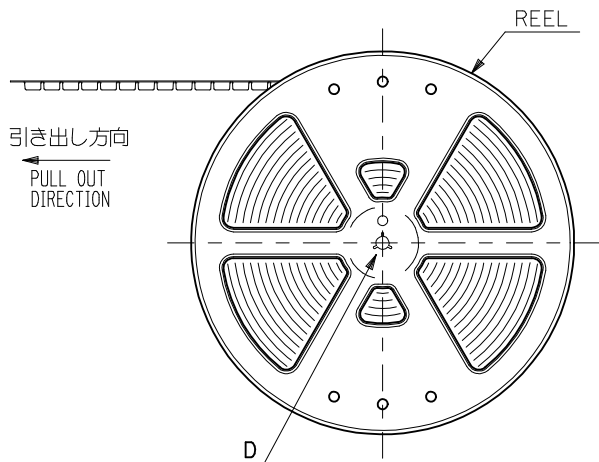
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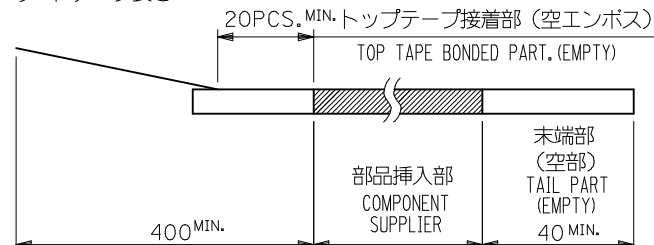
NOTES

- 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

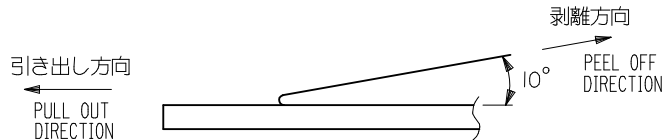


DETAIL D

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	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	K. TOYODA	DATE '05/02/03					
		30 OVER	± 0.3	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		1 OF 4		
	REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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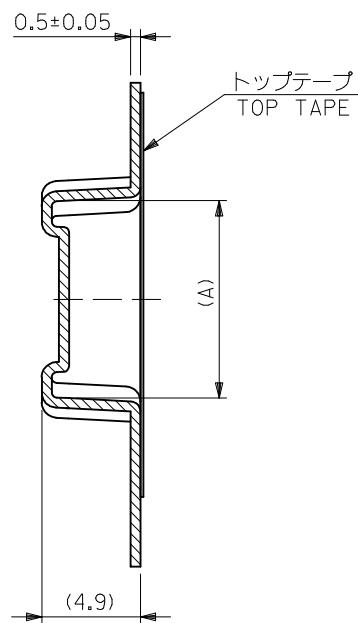
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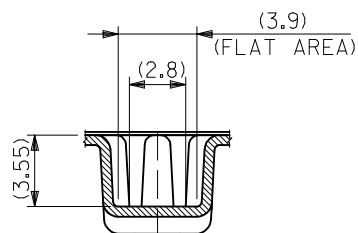
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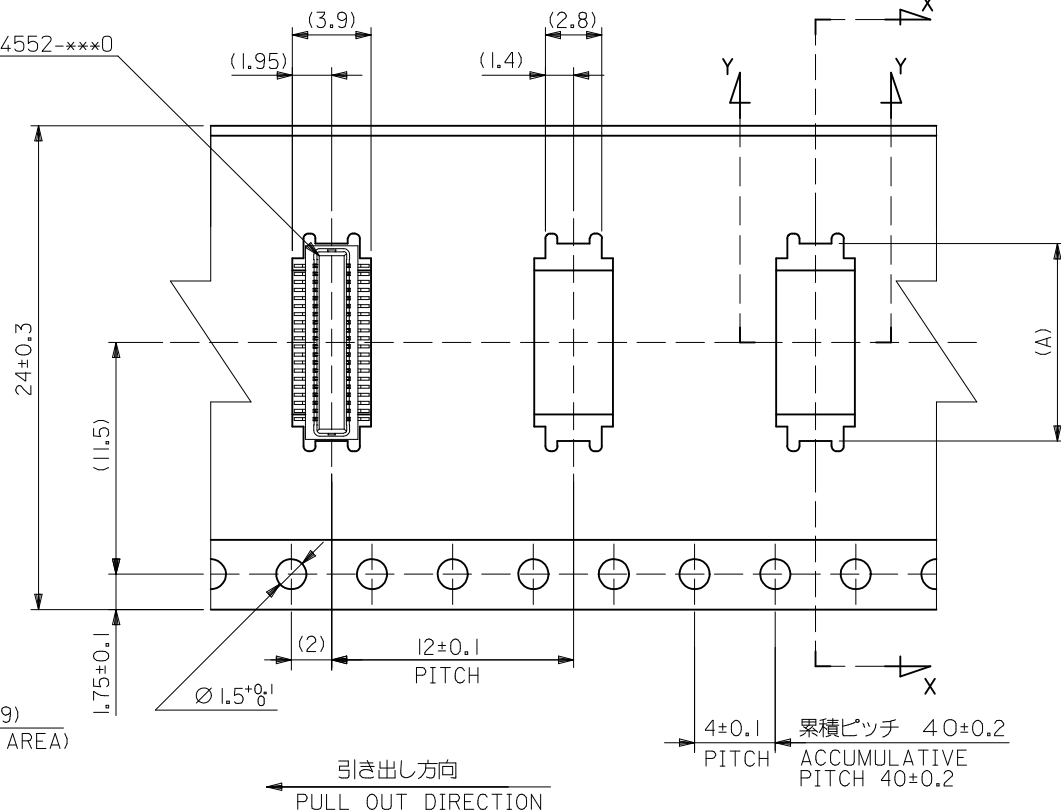


SECT X-X



SECT Y-Y

54552-***0

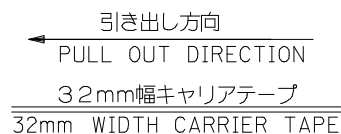
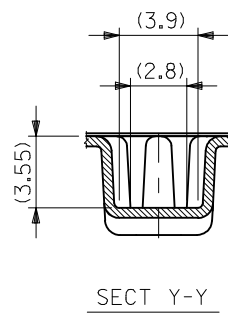


24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

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

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		SCALE	DESIGN UNITS	MODEL NO.		THIRD ANGLE	
				MM ONLY		---	METRIC			PROJECTION	
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE		EMBSTP PKG FOR 0.4 B/B CONN RA REC HSG ASSY			
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE						
		30 OVER	±0.3	APPROVED BY	DATE	 MOLEX INCORPORATED					
	ANGULAR ±3 °	MATERIAL NO.	DOCUMENT NO.	SHEET NO.							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54552-024		2 OF 4				
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MODEL NO.		54552-***2	
MEASUREMENT STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	---	METRIC	

REVISED EC NO.: J2009-2156 DRAWN: M. TAKASAKI CHK'D: T. HIRAYAMA APPR.: N. UKITA	DESCRIPTION 2009/03/26 2009/03/27 2009/03/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL NO.: SD-54552-0224	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		3 OF 4		
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