

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0545529016

Status:

Active

Description:

0.40mm (.016") Pitch Board-to-Board SlimStack™ Receptacle, SMT, Dual Row, without Plastic Pegs, Right Angle, 90 Circuits

Documents:

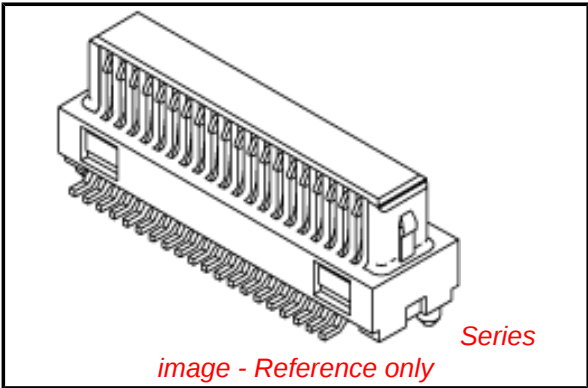
3D Model

Drawing (PDF)

Product Specification PS-54552-024 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Receptacles
Series	54552
Application	Board-to-Board
Product Name	SlimStack™
Physical	
Circuits (Loaded)	90
Color - Resin	Brown
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Mated Height (in)	0.167 In
Mated Height (mm)	4.25 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
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	
Product Specification	PS-54552-024
Sales Drawing	SD-54552-025, SD-54552-026



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

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



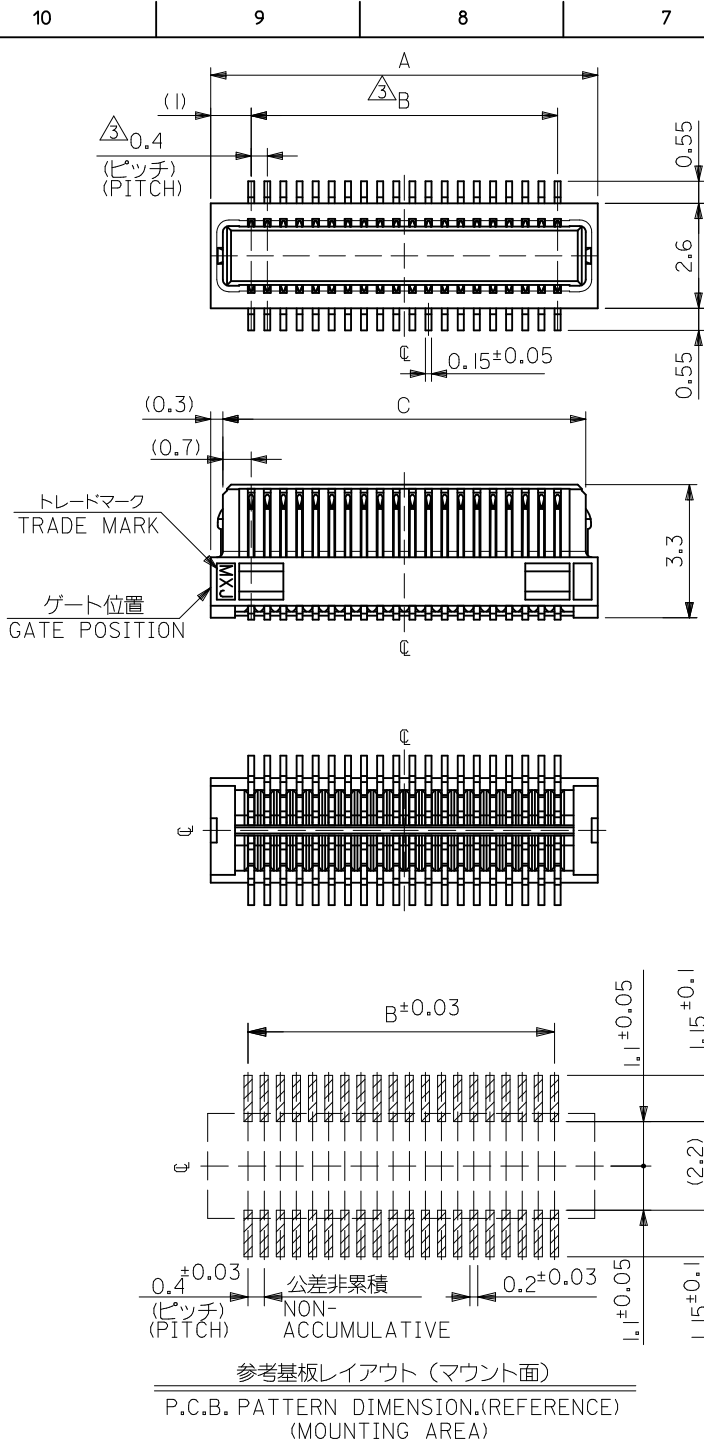
Search Parts in this Series

54552Series

Mates With

55394 PCB Header

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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

19.0	17.6	19.6	54552-9016	90
17.0	15.6	17.6	54552-8016	80
9.0	7.6	9.6	54552-4016	40
7.0	5.6	7.6	54552-3016	30
5.0	3.6	5.6	54552-2016	20
C	B	A	EMBOSSED TAPE	CKT.
ORDER No. オーダー番号				

CONNECTOR SERIES No. : 54552-***15

RELEASED EC NO: J2010-1972 DRWN:KTOYODA CHKD:SMARUYAMA APPR:SMARUYAMA REV A	DESCRIPTION 2010/03/31 2010/03/31 2010/03/31 2010/03/31	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY KTOYODA	DATE 2010/03/29	TITLE 0.4 B/B CONN R/A REC HSG ASSY WITHOUT BOSS				
		10 OVER 30 UNDER	± 0.25	CHECKED BY SMARUYAMA	DATE 2010/03/29					
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2010/03/29	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54552-025		1 OF 1		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

10

9

8

7

6

5

4

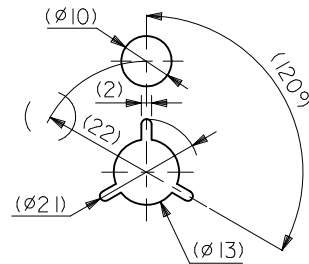
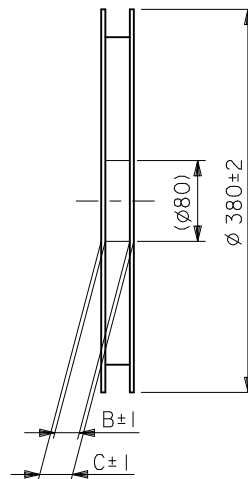
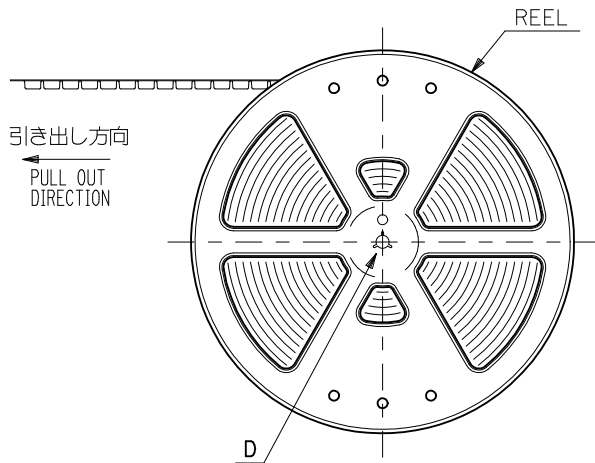
3

2

1

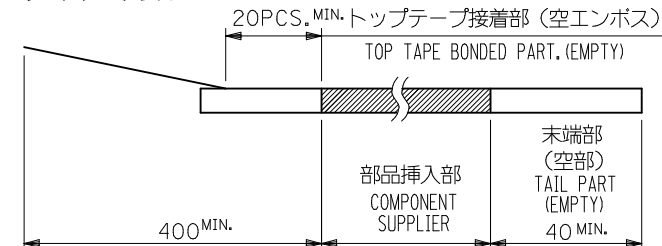
NOTES

- 製品詳細寸法については SD-54552-025 を参照下さい。
RE DETAILED DIMENSION, SEE SD-54552-025.
- 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

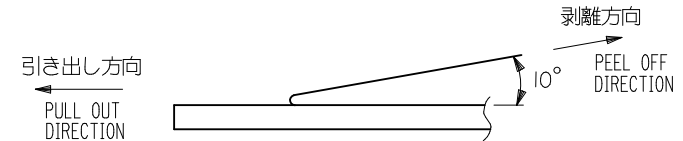


DETAIL D

引き出し方向
PULL OUT
DIRECTION



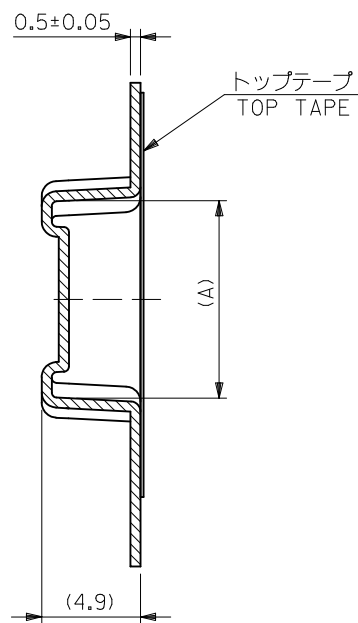
- トップテープの剥離強度：0.1～1.3N {10～130gf} (剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1～1.3N {10～130gf}
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



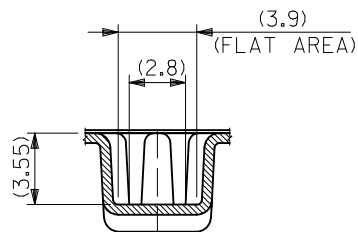
- 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOP TAPE) : PET , PE , PEF
リール (REEL) : ポリスチレン (P S) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- ELV及RoHS適合品
ELV AND RoHS COMPLIANT

54552-9016	90
54552-8016	80
54552-4016	40
54552-3016	30
54552-2016	20
EMBOSSSED TAPE	CKT.
ORDER No. オーダー番号	

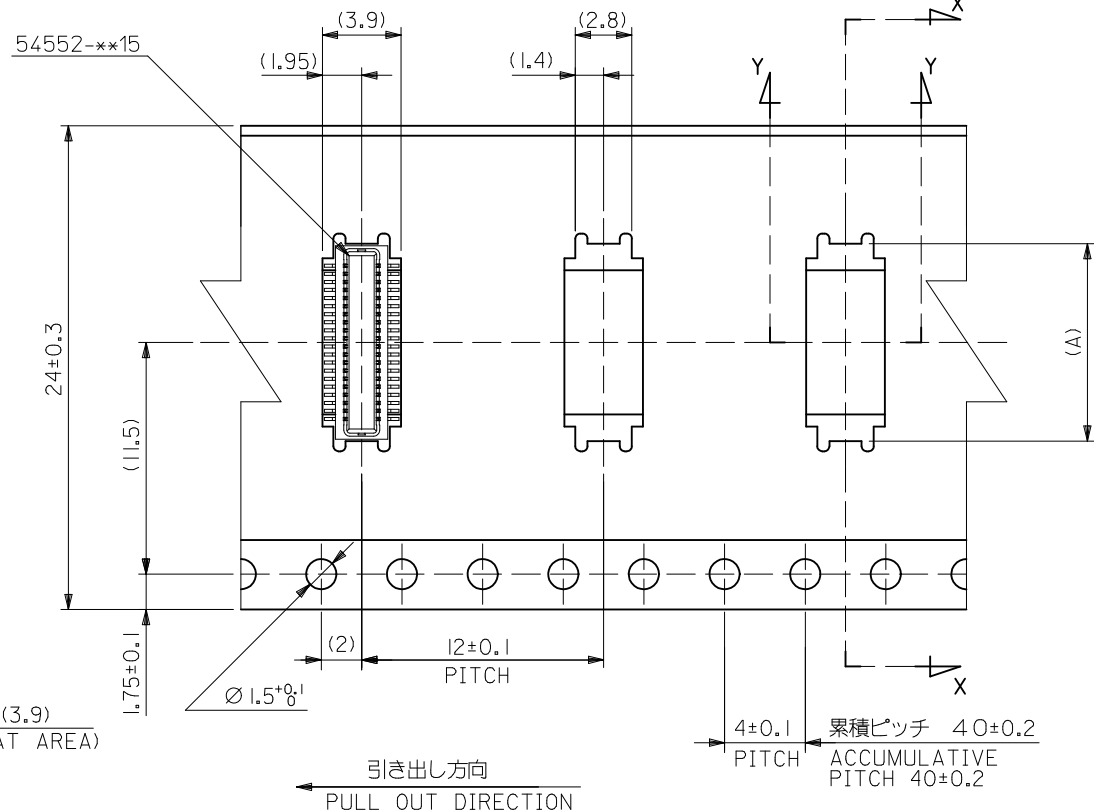
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		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2010/03/29					
		ANGULAR ±3 °		MATERIAL NO.			DOCUMENT NO.			SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE			SD-54552-026			1 OF 3	
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



SECT X-X



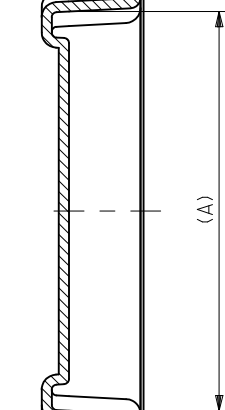
SECT Y-Y



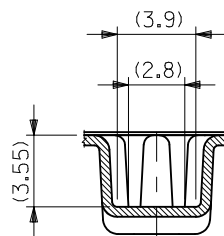
24	29.4	25.4	9.8	54552-4016	40
			7.8	54552-3016	30
			5.8	54552-2016	20
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	EMBOSSED TAPE ORDER No. オーダー番号	極数 CIRCUITS

SEE SHEET 1 OF 3 EC NO.: J2010-1972 DRAWN: KTOYODA 2010/03/31 CHKD: SMARUYAMA 2010/03/31 APPR: SMARUYAMA 2010/03/31 A	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54552-026		2 OF 3		
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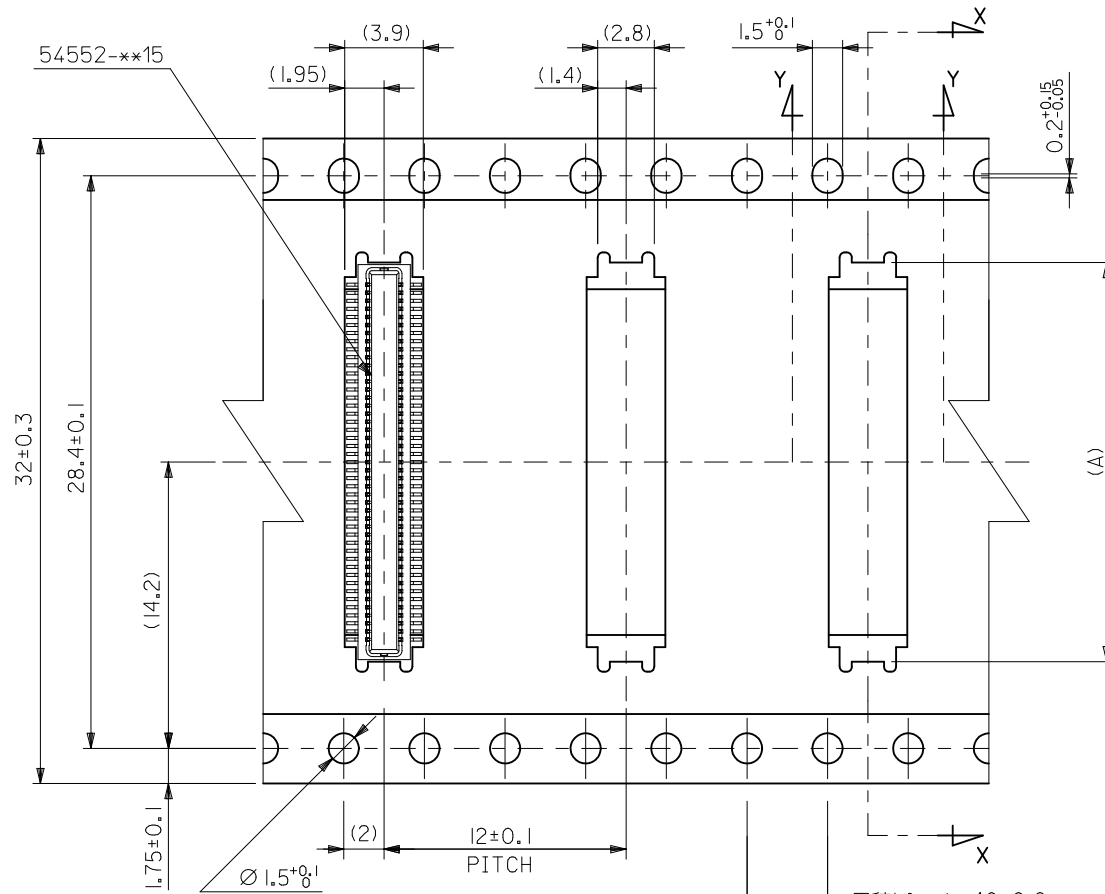
0.5±0.05
トップテープ
TOP TAPE



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

4±0.1 累積ピッチ 40±0.2
PITCH ACCUMULATIVE PITCH 40±0.2

32	37.4	33.4	19.8 17.8	54552-9016 54552-8016	90 80
キャリアテープ幅 CARRIER TAPE WIDTH		C	B	(A)	EMBOSSED TAPE 極数 ORDER No. オーダー番号 CIRCUITS

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