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Part Number: [5033043010](#)
Status: **Active**
Overview: [slimstack_mm016_pitch](#)
Description: 0.40mm (.016") Pitch SlimStack™ Board-to-Board Receptacle, SMT, Dual Row, Vertical, 0.70mm (.028") Stacking Height, 30 Circuits

Documents:

[3D Model](#) [Product Specification PS-503304-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [503304](#)
Application Board-to-Board
Overview [slimstack_mm016_pitch](#)
Product Name SlimStack™

Physical

Circuits (Loaded) 30
Color - Resin Black
Durability (mating cycles max) 30
Glow-Wire Compliant No
Lock to Mating Part Yes
Mated Height (in) 0.028 In
Mated Height (mm) 0.70 mm
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Gold
Number of Rows 2
Orientation Vertical
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.016 In
Pitch - Mating Interface (mm) 0.40 mm
Polarized to Mating Part No
Polarized to PCB No
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 0.3A
Voltage - Maximum 50V AC/DC

Material Info

Reference - Drawing Numbers

Application Specification AS-503304-001
Packaging Specification SPK-503304-001
Product Specification PS-503304-001, RPS-503304-004, RPS-503304-005
Sales Drawing SD-503304-001, SD-503304-002

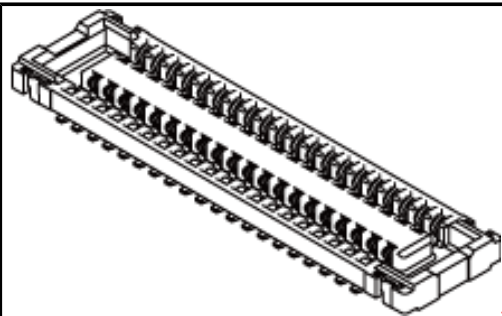


image - Reference only Series

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

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
[503304Series](#)

Mates With
[503308](#) PCB Header

10 9 8 7 6 5 4 3 2 1

注記 NOTES

1. 使用材料 MATERIAL

ハウジング : 液晶ポリマー (LCP) UL94V-0 (黒)
HOUSING: LIQUID CRYSTAL POLYMER UL94V-0 (COLOR: BLACK)
ターミナル : 銅合金
TERMINAL : COPPER ALLOY

金具 : 銅合金
FITTING NAIL : COPPER ALLOY

2. メッキ仕様 PLATING

ターミナル TERMINAL

金メッキ
GOLD

下地メッキ : ニッケルメッキ
UNDER PLATING : NICKEL

※コンタクト部とテール部はニッケルメッキによって分断されている金メッキです。
DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT
AND THE TAIL PART BY THE NICKEL PLATING.

金具 FITTING NAIL

錫メッキ
Tin PLATING

下地メッキ : ニッケルメッキ
UNDER PLATING : NICKEL

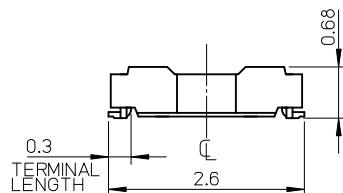
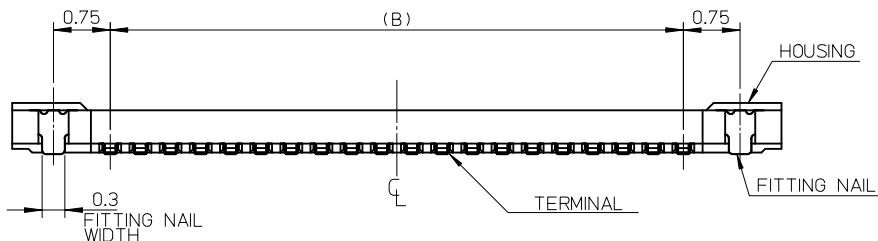
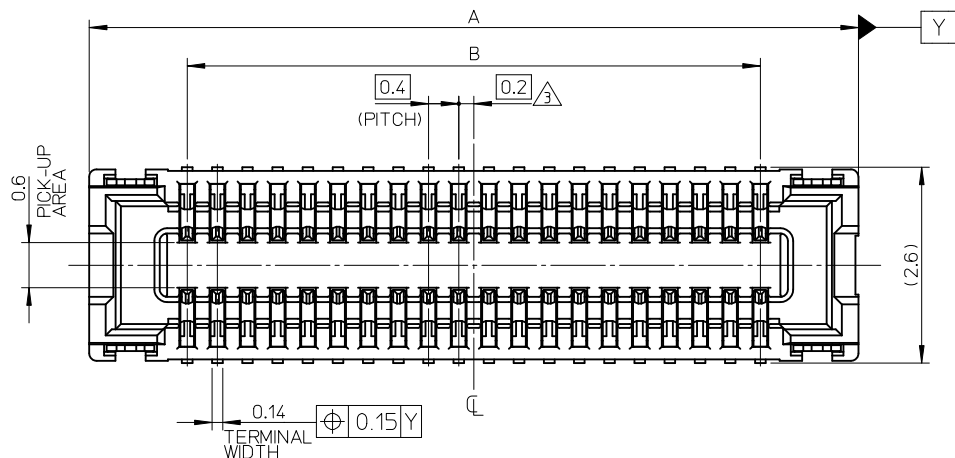
△ (全極数 / 2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT / 2) = EVEN.

4. 嵌合相手 : 503308 シリーズ
MATE WITH : 503308 SERIES.

5. テール平坦度は、 0.08 以下

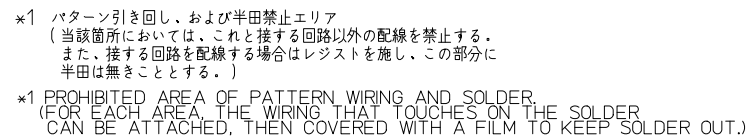
テール及び金具の平坦度は、 0.1 以下
TAIL COPLANARITY TO BE 0.08 MAXIMUM.
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM.

6. ELV and RoHS COMPLIANT.



11.6	14.2	503304-6010	60
9.6	12.2	503304-5010	50
8.4	11.0	503304-4410	44
8.0	10.6	503304-4210	42
7.6	10.2	503304-4010	40
5.6	8.2	503304-3010	30
4.8	7.4	503304-2610	26
3.6	6.2	503304-2010	20
3.2	5.8	503304-1810	18
2.8	5.4	503304-1610	16
2.0	4.6	503304-1210	12
B	A	EMBOSSED PACKAGE	極数 CIRCUITS
		オーダー番号 ORDER No.	
		CONNECTOR SERIES No. : 503304-**-09	

REVISED EC NO: J2010-1761 DRWN: M. TAKAHASHI 03/2009/12/23 CHKD: THIRATA 03/2010/03/18 APPR: MSASAO 2010/03/18	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION						
		10 UNDER	± 0.2	DRAWN BY KSASAKI	DATE 2008/04/17	TITLE 0.4 B-TO-B CONN. HGT=0.7 W=2.6 REC. ASS'Y								
		10 OVER 30 UNDER	± 0.25	CHECKED BY THIRATA	DATE 2008/04/17									
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2008/04/17	MOLEX INCORPORATED								
		ANGULAR ±1 °		MATERIAL NO. SEE CHART							DOCUMENT NO. SD-503304-001		SHEET NO. 1 OF 2	
		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									
		G												

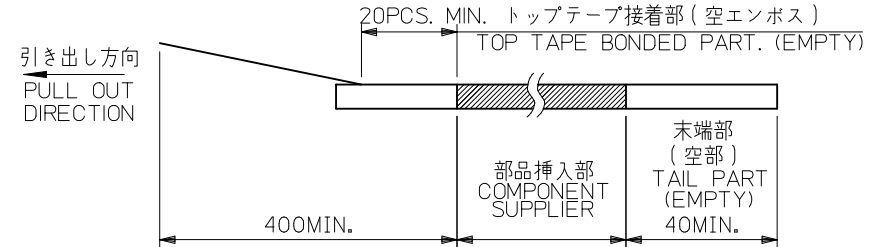


RECOMMENDED P.W. BOARD
PATTERN LAYOUT

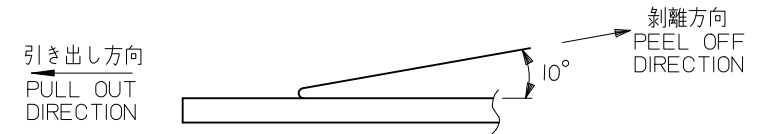
REVISED	EC NO: J2010-1761		DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	DRWN:MTAKASHI03/2009/12/23			10 UNDER ± 0.2		DRAWN BY DATE KSASAKI 2008/04/17		TITLE 0.4 B-TO-B CONN. HGT=0.7 W=2.6 REC. ASS'Y		
	CHKD:THIRATA 2010/03/17			10 OVER 30 UNDER ± 0.25		CHECKED BY DATE THIRATA 2008/04/17				
	APPR:MSASAO 2010/03/18			30 OVER ± 0.3		APPROVED BY DATE M.SASAO 2008/04/17		 MOLEX INCORPORATED		
				ANGULAR ±1 °		MATERIAL NO.				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503304-001		2 OF 2
G	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

注記 NOTES

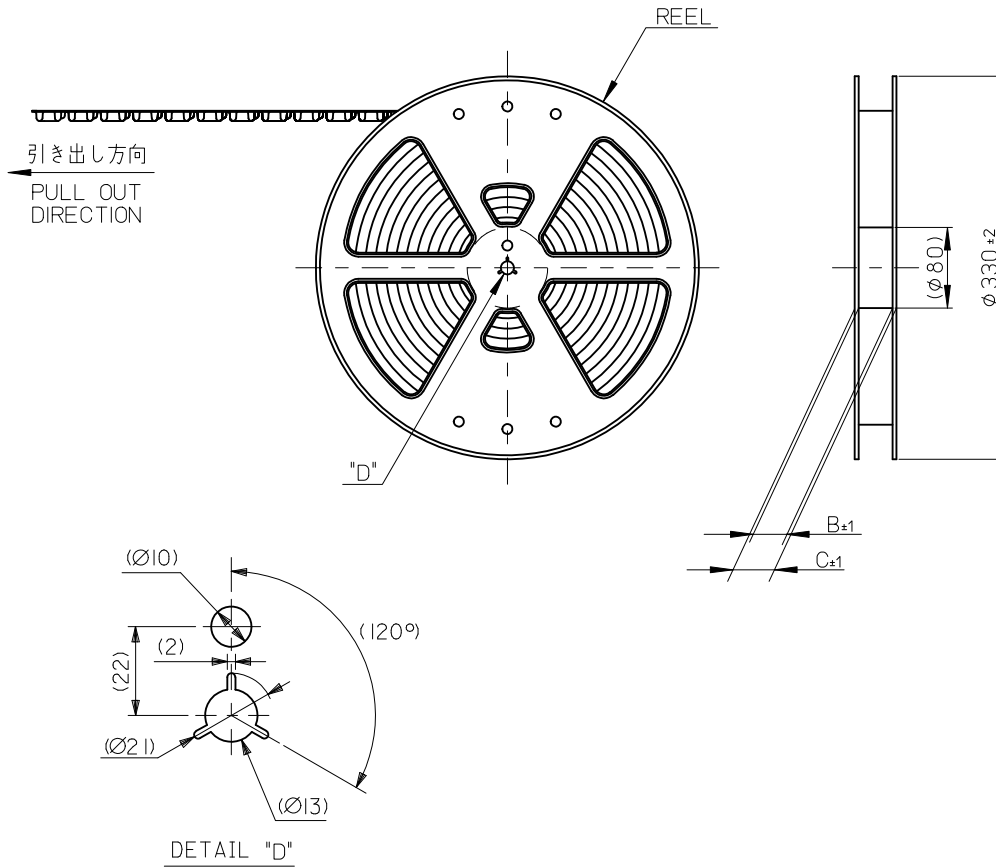
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量 : 3000 個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- トップテープの剥離強度 : 0.1N~1.3N(10gf~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 : 0.1N~1.3N(10gf~130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTION.



- 材料 MATERIAL
キャリアテープ (CARRIER TAPE) : ポリスチレン (POLYSTYRENE)
トップテープ (TOP TAPE) : PET, OTHER
リール (REEL) : ポリスチレン (PS) <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



REVISED EC NO: J2010-4761 DRWN:MTAKASHI 03 2010/01/08 CHKD:THIRATA 2010/03/17 APPR:MSASAO 2010/03/18	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	MODEL NO. 503304-002		THIRD ANGLE PROJECTION	
		10 UNDER ±0.2		DRAWN BY KSASAKI		DATE 2008/12/12		TITLE 0.4 B-TO-B CONN. HGT=0.7 REC ASSY EMBSTP PKG			
		10 OVER 30 UNDER ±0.25		CHECKED BY THIRATA		DATE 2008/12/12					
		30 OVER ±0.3		APPROVED BY MSASAO		DATE 2008/12/12					
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503304-002		1 OF 3			
C		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

F

E

D

C

B

A

F

E

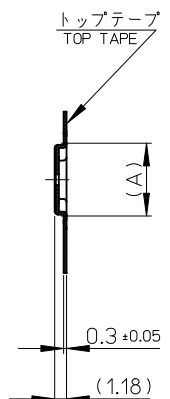
D

C

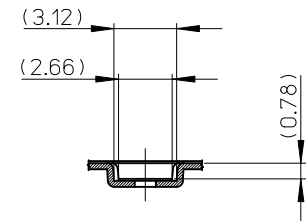
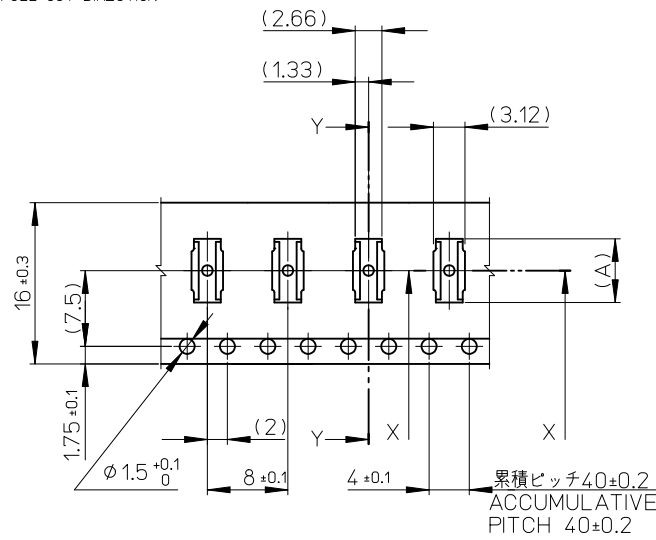
B

A

引き出し方向
PULL OUT DIRECTION



SECTION Y-Y

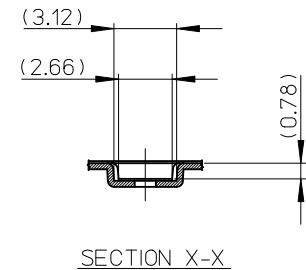
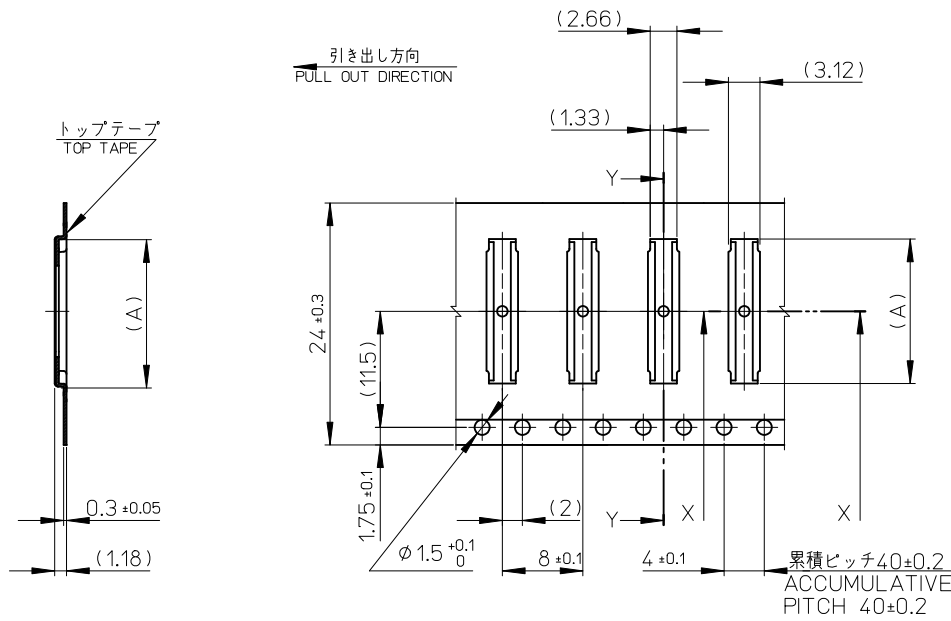


SECTION X-X

16mm 幅キャリアテープ
16mm WIDTH CARRIER TAPE

16	21.4	17.4	7.52	503304-2610		26
			7.12	503304-2410		24
			6.32	503304-2010		20
			5.92	503304-1810		18
			5.52	503304-1610		16
			4.72	503304-1210		12
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.		CKT.
				MODEL No.	503304-**10	

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		10 UNDER	± 0.2	DRAWN BY KSASAKI	DATE 2008/12/12	TITLE 0.4 B-TO-B CONN. HGT=0.7 REC ASSY EMBSTP PKG					
		10 OVER 30 UNDER	± 0.25	CHECKED BY THIRATA	DATE 2008/12/12						
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2008/12/12	MOLEX MOLEX INCORPORATED					
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503304-002				2 OF 3	
	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



SECTION Y-Y

24mm 幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	29.4	25.4	14.32	503304-6010		60
			12.32	503304-5010		50
			11.12	503304-4410		44
			10.72	503304-4210		42
			10.32	503304-4010		40
			8.32	503304-3010		30
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.		CKT.
				MODEL No.	503304-**10	

REVISED EC NO: J2010-1761 DRWN:MTAKAHASHI 03/2010/01/08 CHKD:THIRATA 2010/03/17 APPR:MSASAO 2010/03/18	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		10 OVER 30 UNDER	±0.25	CHECKED BY THIRATA	DATE 2008/12/12					
		30 OVER	±0.3	APPROVED BY MSASAO	DATE 2008/12/12	MOLEX MOLEX INCORPORATED				
		ANGULAR	±1°	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503304-002		3 OF 3		
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					