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Part Number: [5031054010](#)
Status: **Active**
Overview: [slimstack_mm016_pitch](#)
Description: 0.40mm (.016") Pitch SlimStack™ Board-to-Board Receptacle, SMT, Dual Row, Vertical, 1.50mm (.059") Stacking Height, Without Solder Tabs, 40 Circuits

Documents:

[3D Model](#) [Product Specification PS-503105-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [503105](#)
Application Board-to-Board
Overview [slimstack_mm016_pitch](#)
Product Name SlimStack™

Physical

Circuits (Loaded) 40
Color - Resin Black
Durability (mating cycles max) 30
Glow-Wire Compliant No
Mated Height (in) 0.059 In
Mated Height (mm) 1.50 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Gold
Number of Rows 2
Orientation Vertical
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 Mating Part No
Polarized to PCB No
Stackable No
Temperature Range - Operating -30°C to +75°C
Termination Interface: Style Surface Mount

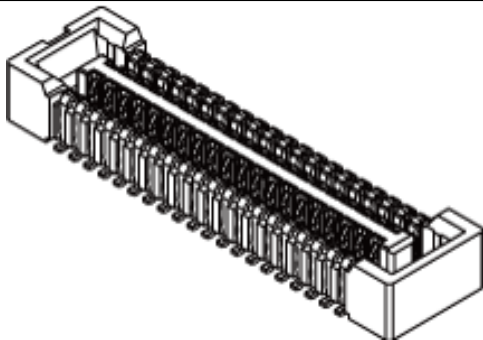
Electrical

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

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-503105-001
Product Specification PS-503105-001, RPS-503105-003
Sales Drawing SD-503105-001, SD-503105-002



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

**Contains SVHC: No
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
[503105Series](#)

Mates With
[503108](#) PCB Header

注記 NOTES

1. 使用材料 MATERIAL

ハウジング：液晶ポリマー（LCP） ガラス充填 UL94V-0（黒）
HOUSING: LIQUID CRYSTAL POLYMER (GLASS FILLED) UL94V-0 (COLOR: BLACK)

ターミナル：りん青銅（ $t=0.1$ ）
TERMINAL: PHOSPHOR BRONZE ($t=0.1$)

2. メッキ仕様 PLATING

ターミナル TERMINAL

金メッキ 0.1 マイクロメートル以上（コンタクト部）

GOLD 0.1 MICROMETER MINIMUM (CONTACT AREA)

金メッキ 0.05 マイクロメートル以上（テール部）

GOLD 0.05 MICROMETER MINIMUM (TAIL AREA)

下地メッキ：ニッケルメッキ 1.0 マイクロメートル以上

UNDER PLATING: NICKEL 1.0 MICROMETER MINIMUM

※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.

※封孔処理品

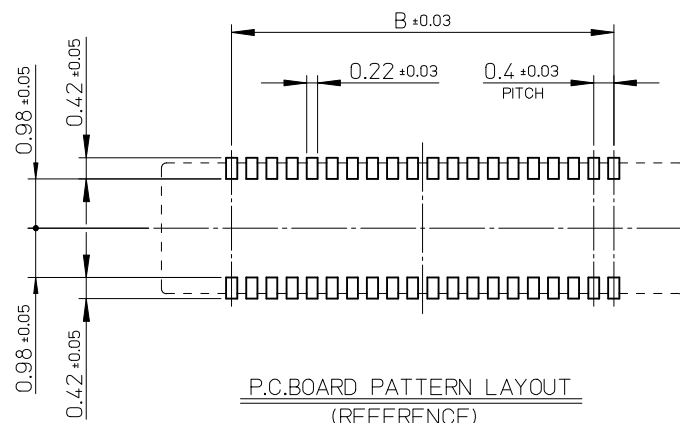
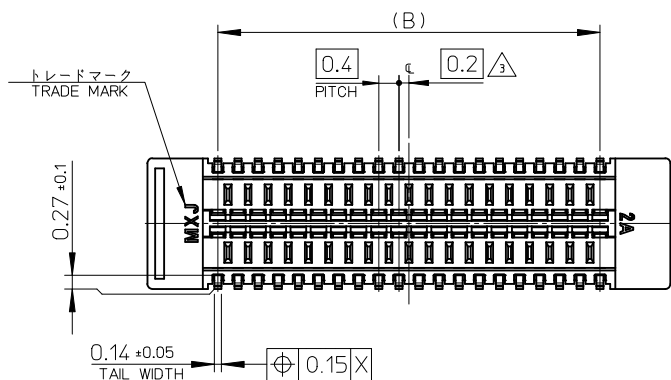
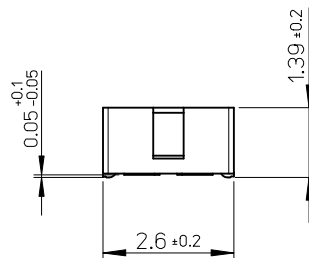
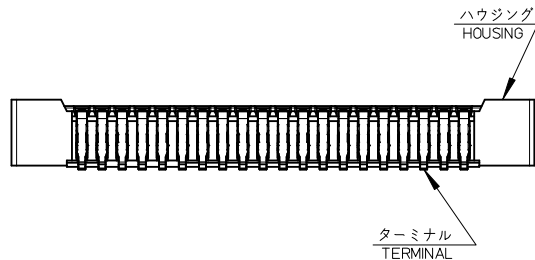
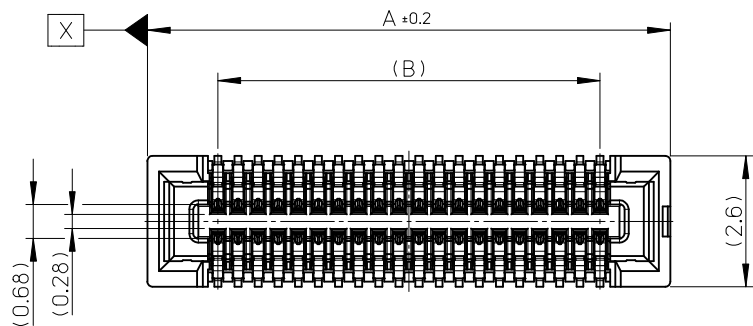
SEALING TREATMENT

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

4. 嵌合相手： 503108 シリーズ
MATE WITH: 503108 SERIES.

5. テール平坦度は、0.1 以下
TAIL COPLANARITY TO BE 0.1 MAXIMUM.

6. ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT.



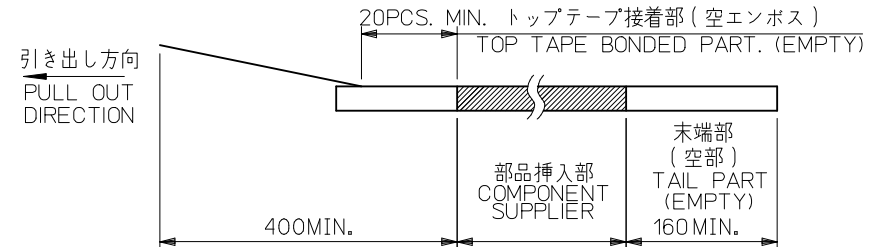
P.C. BOARD PATTERN LAYOUT
(REFERENCE)

9.6	12.4	503105-5010	50
8.4	11.2	503105-4410	44
7.6	10.4	503105-4010	40
B	A	EMBOSSED TAPE	CKT.
		ORDER No. オーダー番号	
		CONNECTOR SERIES No.: 503105-***19	

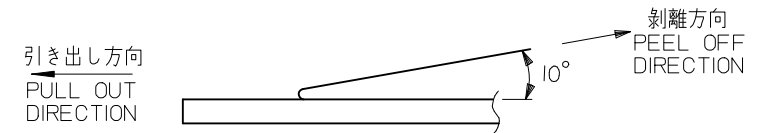
REVISED EC NO: J2010-0621 DRWN: TANI GUCHI 012009/09/25 CHKD: THIRATA 2009/09/25 APPR: MSASAO 2009/09/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		10 UNDER ± --- 10 OVER 30 UNDER ± --- 30 OVER ± ---		DRAWN BY DATE RTAKEUCHI 2008/07/02		TITLE 0.4 B-TO-B CONN. HGT=1.5 W=2.6 W/O NAIL REC ASSY					
		ANGULAR ± --- °		CHECKED BY DATE MSASAO 2008/07/02							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY DATE MSASAO 2008/07/02		MOLEX MOLEX INCORPORATED					
				MATERIAL NO.						DOCUMENT NO.	
				SEE CHART		SD-503105-001				SHEET NO. 1 OF 1	
D	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

注記 NOTES

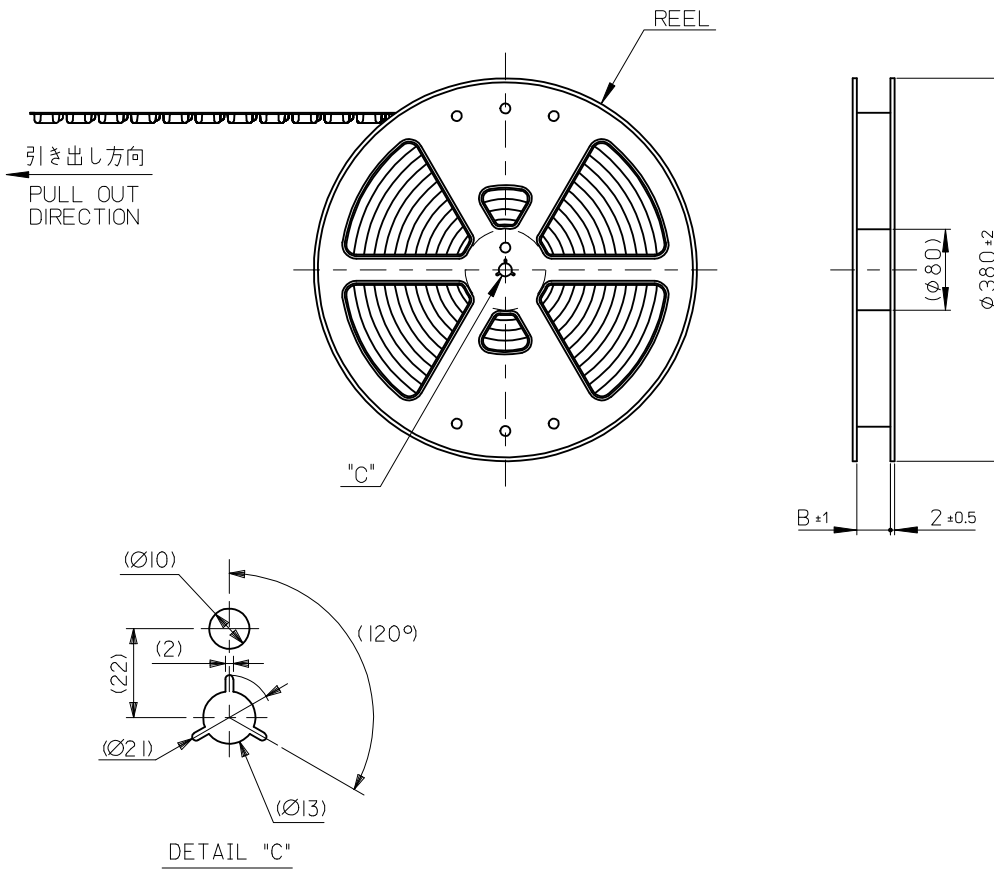
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量 : 3000 個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 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 , PE , PEF
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: J2009-2865 DRWN: TANI GUCHI 01/2009/06/22 CHKD: THIRATA 2009/06/22 APPR: MSASAO 2009/06/22	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL NO. 503105-**-10	THIRD ANGLE PROJECTION
			10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2008/08/20	TITLE 0.4 B-TO-B CONN. HGT=1.5 REC ASSY EMBSTP PKG			
			10 OVER 30 UNDER	± ---	CHECKED BY THIRATA	DATE 2008/08/20				
			30 OVER	± ---	APPROVED BY MSASAO	DATE 2008/08/20	MOLEX INCORPORATED			
			ANGULAR	± --- °	MATERIAL NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503105-002		1 OF 2	
B	REV		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

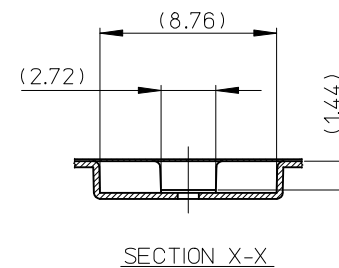
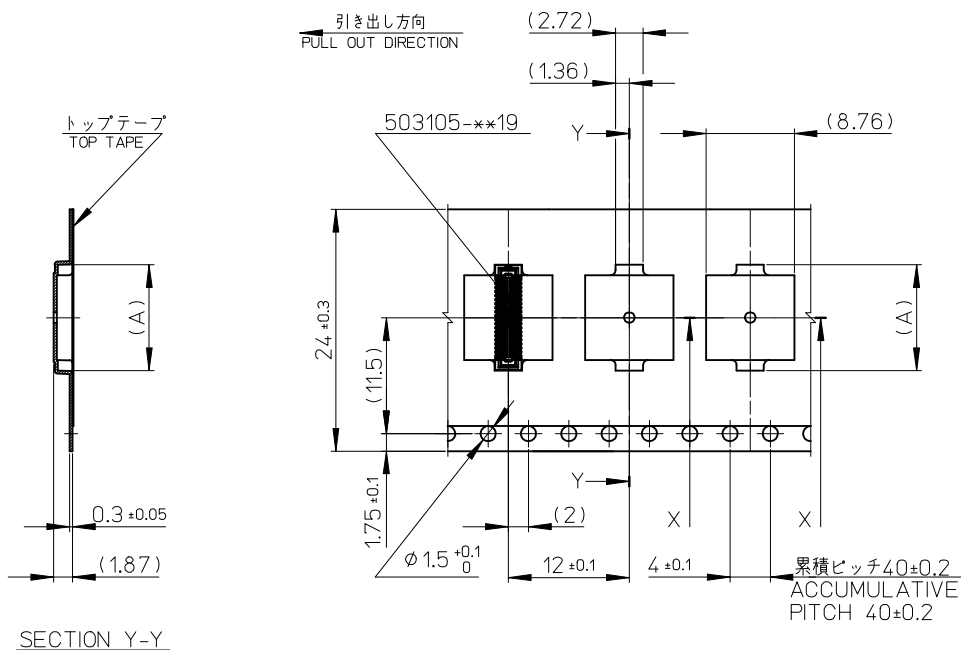
E

D

C

B

A



24mm 幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	25.5	12.52	503105-5010		50
		11.32	503105-4410		44
		10.52	503105-4010		40
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL No.		CKT.
			MODEL No.	503105-xx10	

REVISED EC NO: J2009-2865 DRWN: TANI GUCHI 01/2009/06/22 CHKD: THIRATA 2009/06/22 APPR: MSASAO 2009/06/22	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2008/08/20	TITLE 0.4 B-TO-B CONN. HGT=1.5 REC ASSY EMBSTP PKG				
		10 OVER 30 UNDER	± ---	CHECKED BY THIRATA	DATE 2008/08/20					
		30 OVER	± ---	APPROVED BY MSASAO	DATE 2008/08/20	MOLEX INCORPORATED				
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503105-002		2 OF 2		
B	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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