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Part Number: **5031085010**
Status: **Active**
Overview: [slimstack_mm016_pitch](#)
Description: 0.40mm (.016") Pitch SlimStack™ Board-to-Board, Plug, SMT, Dual Row, Vertical Stacking, 1.50mm (.059") Stacking Height, Without Solder Tabs, 50 Circuits

Documents:

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

General

Product Family	PCB Headers
Series	503108
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™

Physical

Breakaway	No
Circuits (Loaded)	50
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-503108-001
Product Specification	PS-503105-001, RPS-503105-002, RPS-503105-003
Sales Drawing	SD-503108-001, SD-503108-002

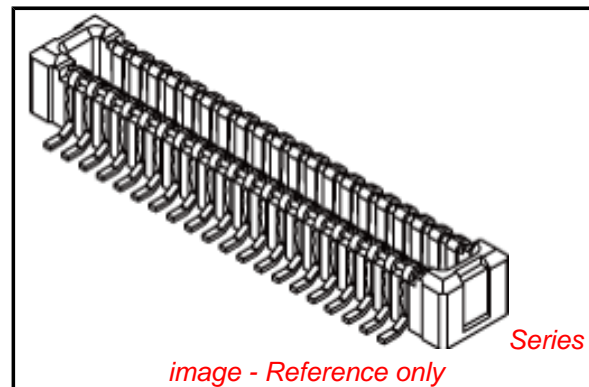


image - Reference only

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](#)

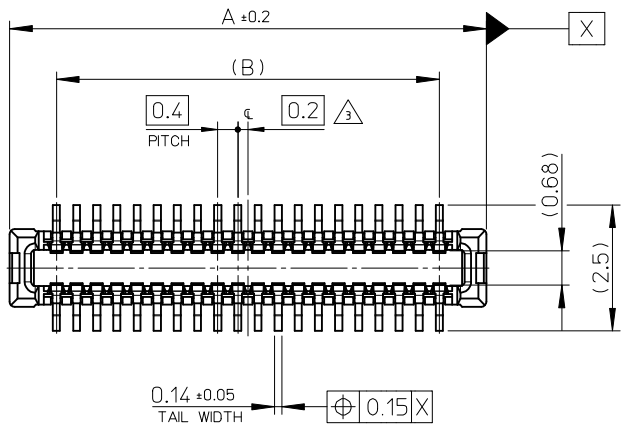
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[503108Series](#)

Mates With

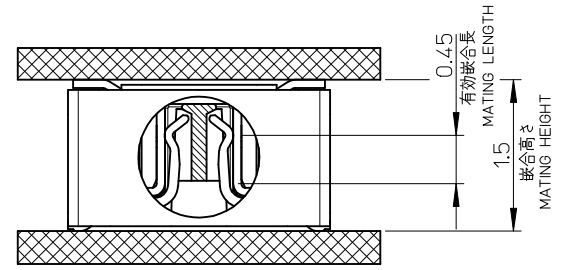
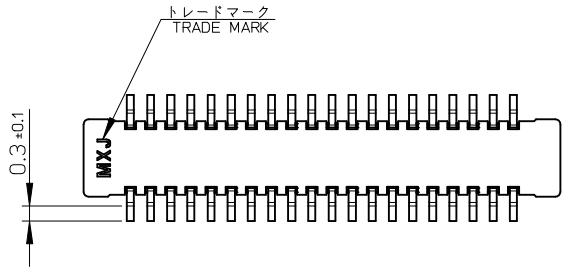
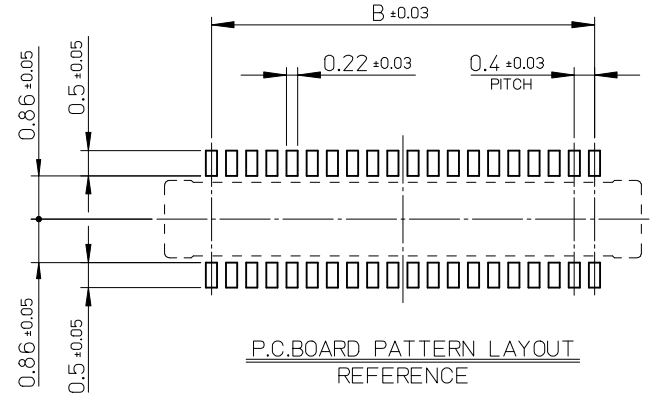
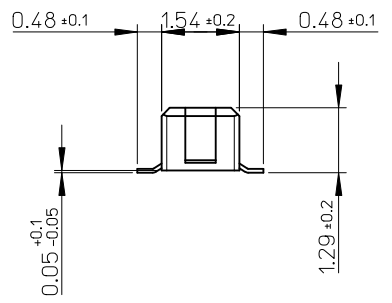
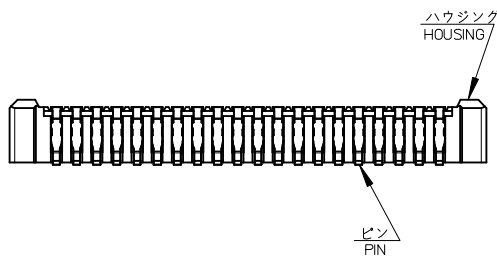
[503105 PCB Receptacle](#)



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

3. (全極数 / 2) = 偶数の場合に適用。
 APPLY FOR (CIRCUIT/2) = EVEN.
4. 嵌合相手: 503105 シリーズ
 MATE WITH: 503105 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.



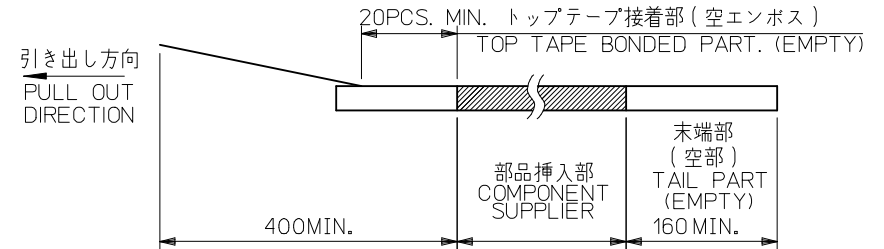
嵌合断面図 (参考)
 MATED DRAWING (REFERENCE)

9.6	11.46	503108-5010	50
8.4	10.26	503108-4410	44
7.6	9.46	503108-4010	40
B	A	EMBOSSED TAPE	CKT.
		ORDER No. オーダー番号	
CONNECTOR SERIES No. : 503108-**-19			

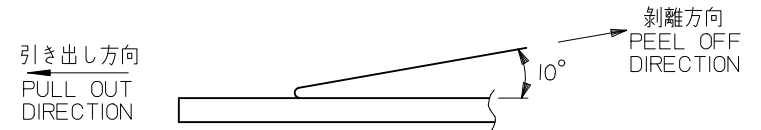
REVISED EC NO: J2010-0621 DRWN: TANIGUCHI 012009/09/25 CHKD: THIRATA 2009/09/25 APPR: MSASAO 2009/09/25	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±---	DRAWN BY RTAKEUCHI	DATE 2008/07/02	TITLE 0.4 B-TO-B CONN. HGT=1.5 W/O NAIL W=2.6 PLUG ASSY		
	10 OVER 30 UNDER	±---	CHECKED BY MSASAO	DATE 2008/07/02	MOLEX INCORPORATED		
	30 OVER	±---	APPROVED BY MSASAO	DATE 2008/07/02	DOCUMENT NO. SD-503108-001		
	ANGULAR	±---°	MATERIAL NO.	SEE CHART	SHEET NO. 1 OF 1		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

注記 NOTES

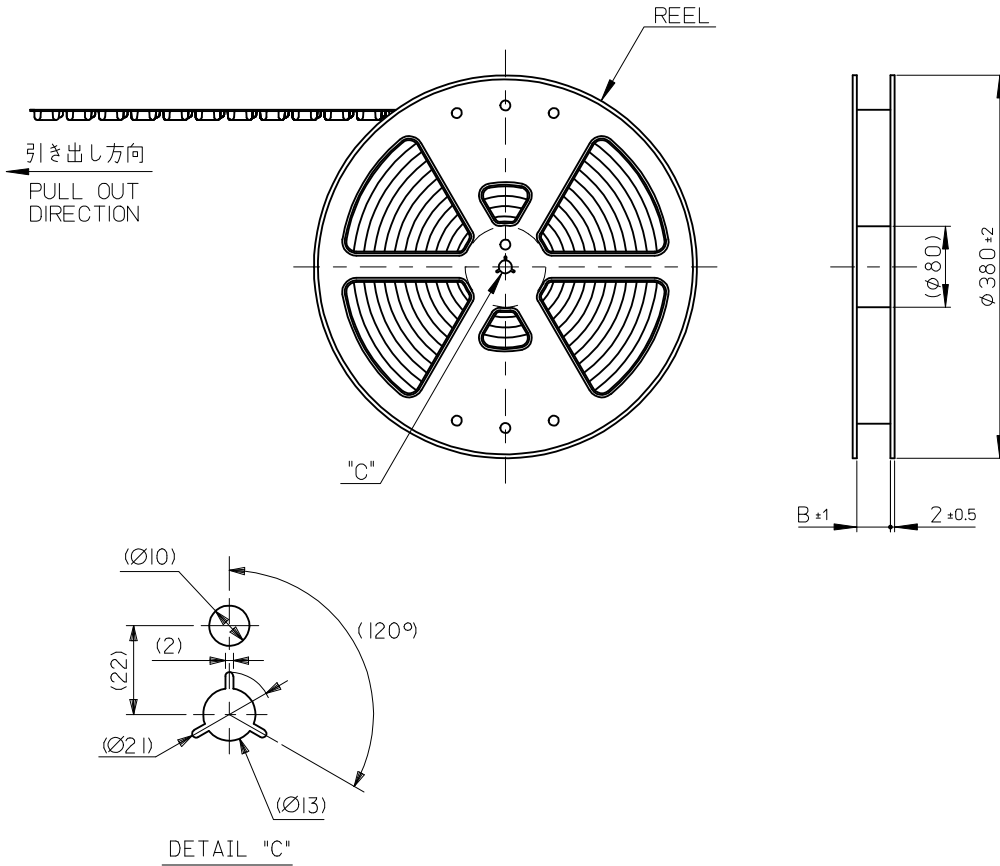
- 製品詳細寸法については製品単体図面を参照下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS,
PLEASE SEE THE DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
- 梱包数量: 3000 個/リール
NUMBER OF CONNECTORS: 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



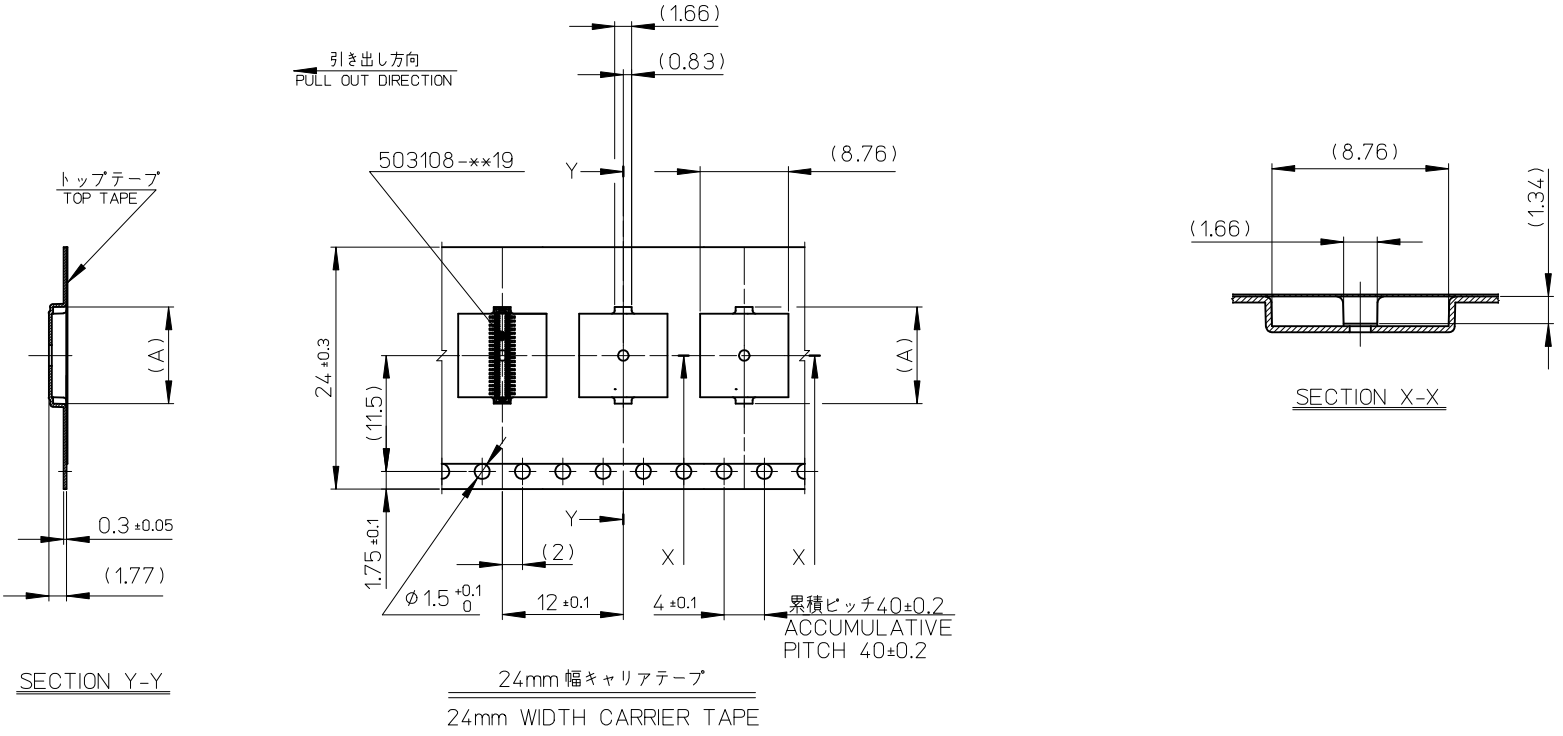
- トップテープの剥離強度: 0.1N~1.3N(10gf~130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE: 0.1N~1.3N(10gf~130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTION.



- 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 012009/06/22 CHKD: THIRATA 2009/06/22 APPR: MSASAO 2009/06/22	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL NO. 503108-**10
	10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2008/08/20	TITLE 0.4 B-TO-B CONN. HGT=1.5 PLUG ASSY EMBSTP PKG		
	10 OVER 30 UNDER	± ---	CHECKED BY THIRATA	DATE 2008/08/20	MATERIAL NO. SEE CHART		
	30 OVER	± ---	APPROVED BY MSASAO	DATE 2008/08/20	DOCUMENT NO. SD-503108-002		
ANGULAR	± --- °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 1 OF 2		MOLEX INCORPORATED	
SIZE A3				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



SECTION Y-Y

SECTION X-X

24mm 幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	25.5	11.58	503108-5010	50	
		10.38	503108-4410	44	
		9.58	503108-4010	40	
キャリアテープ幅 CARRIER TAPE WIDTH		B	(A)	MATERIAL No.	CKT.
			MODEL No.	503108-**-**10	

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 PLUG ASSY EMBSTP PKG			
		10 OVER 30 UNDER	±---	CHECKED BY THIRATA	DATE 2008/08/20	MOLEX INCORPORATED			
		30 OVER	±---	APPROVED BY MSASAO	DATE 2008/08/20				
		ANGULAR	±---°	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-503108-002	SHEET NO. 2 OF 2		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							