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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 5031055010

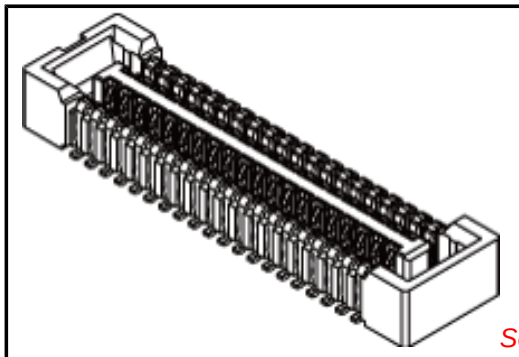
Status: Active

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, 50 Circuits

Documents:

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



Series image - Reference only

General

Product Family	PCB Receptacles
Series	503105
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™

Physical

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

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

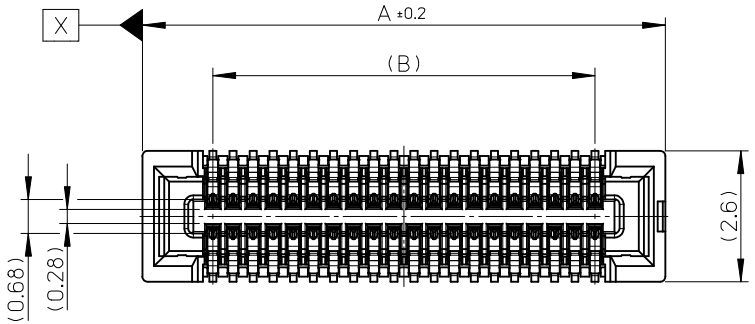
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
503105Series

Mates With
503108 PCB Header

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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

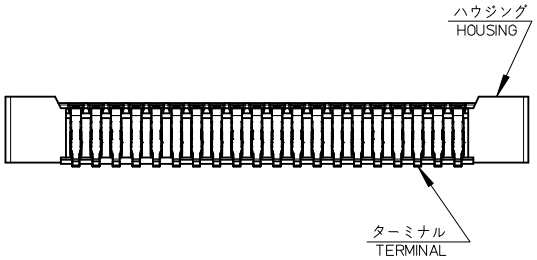


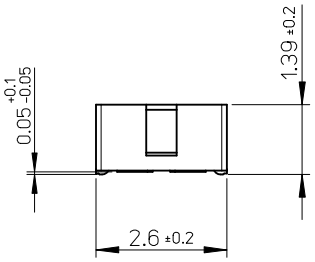
注記　NOTES

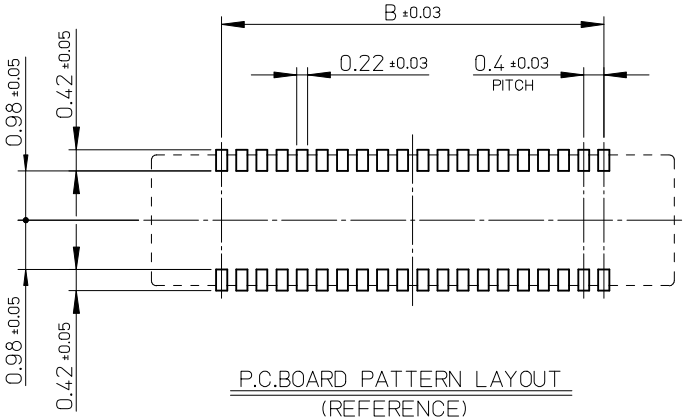
1. 使用材料 MATERIAL
   ハウジング：液晶ポリマー（ LCP ）　ガラス充填　UL94V-0（黒）
   HOUSING:LIQUID CRYSTAL POLYMER(GLASS FILLED) UL94V-0 (COLOR:BLACK)
   ターミナル：りん青銅　(t=0.1)
   TERMINAL : PHOSPHOR BRONZE (t=0.1)
2. メッキ仕様 PLATING
   ターミナル TERMINAL
   金メッキ　0.1 マイクロメートル以上（コンタクト部）
   GOLD 0.1MICROMETER MINIMUM (CONTACT AREA)
   金メッキ 0.05 マイクロメートル以上（テール部）
   GOLD 0.05MICROMETER 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 1.0MICROMETER 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.

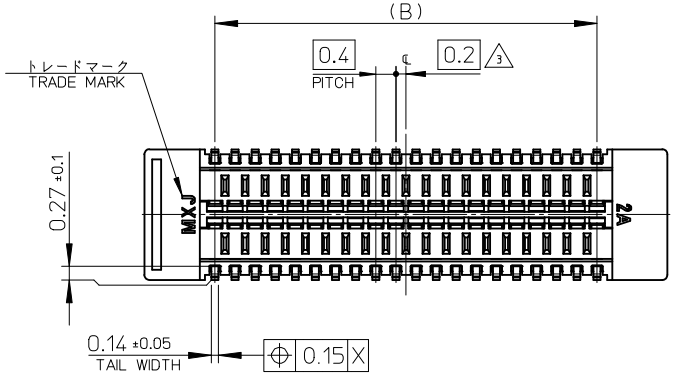
4. 嵌合相手：　503108 シリーズ
   MATE WITH : 503108 SERIES.
5. テール平坦度は、 0.1 以下
   TAIL COPLANARITY TO BE 0.1MAXIMUM.
6. ELV 及び RoHS適合品
   ELV AND RoHS COMPLIANT.







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 ORDER No. オーダー番号	CKT.
		CONNECTOR SERIES No. : 503105-**19	

REVISED
EC NO: J2010-0621　2009/09/25
DRWN:TTANIGUCHI01　2009/09/25
CHKD:THIRATA　2009/09/25
APPR:MSASAO　2009/09/25
DESCRIPTION
REV
D

GENERAL TOLERANCES
(UNLESS SPECIFIED)

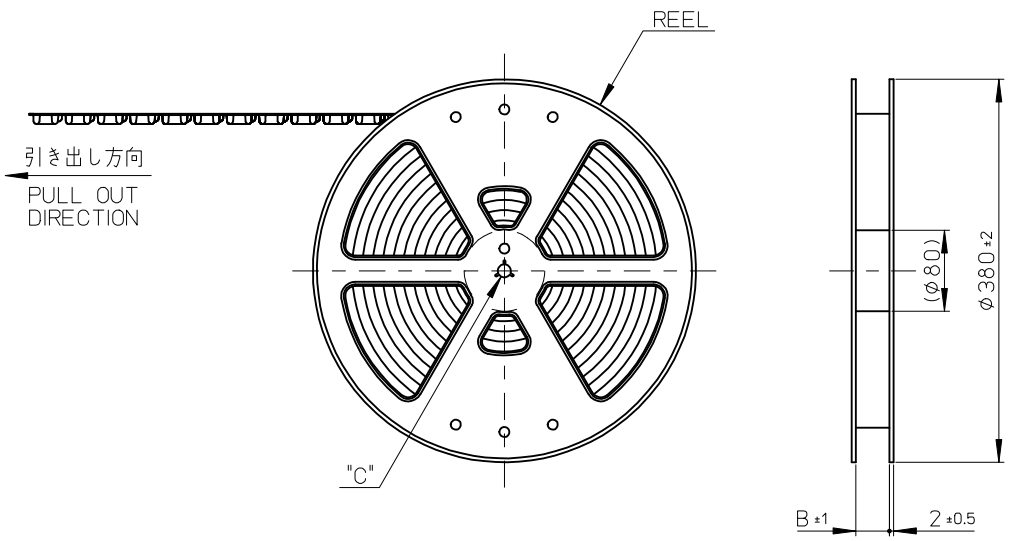
10 UNDER	± ---
10 OVER 30 UNDER	± ---
30 OVER	± ---
ANGULAR ±--- °	

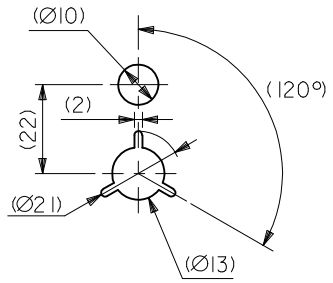
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 10:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: RTAKEUCHI　DATE: 2008/07/02	TITLE: 0.4 B-TO-B CONN. HGT=1.5 W=2.6 W/O NAIL REC ASSY		
CHECKED BY: MSASAO　DATE: 2008/07/02			
APPROVED BY: MSASAO　DATE: 2008/07/02	MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-503105-001	SHEET NO.: 1 OF 1	

SIZE A3

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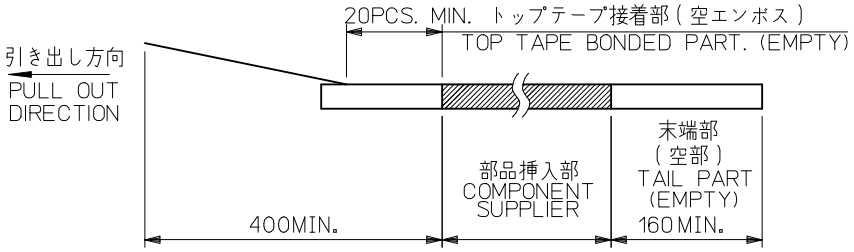




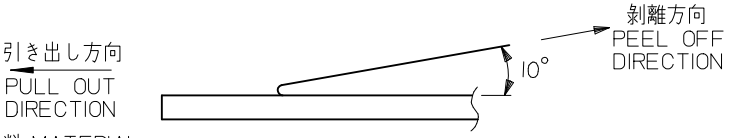
DETAIL "C"

注記 NOTES

1. 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.
2. 梱包数量：3000 個／リール
   NUMBER OF CONNECTORS : 3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



4. 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.



5. 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>
6. ELV 及び RoHS適合品
   ELV AND RoHS COMPLIANT

REVISED				REV
EC NO: J2009-2865	DRWN:TTANIGUCHI01	2009/06/22	DESCRIPTION	
	CH'KD:THIRATA	2009/06/22		
	APPR:MSASAO	2009/06/22		
B				

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	± ---
10 OVER 30 UNDER	± ---
30 OVER	± ---
ANGULAR ± --- °	

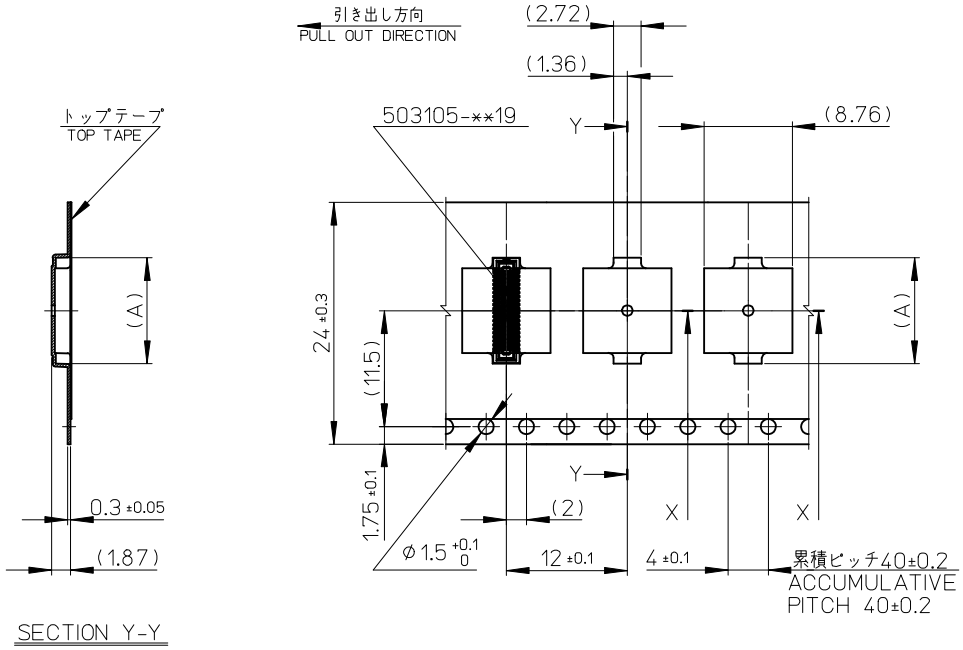
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: RTAKEUCHI DATE: 2008/08/20	TITLE: 0.4 B-TO-B CONN. HGT=1.5 REC ASSY EMBSTP PKG		
CHECKED BY: THIRATA DATE: 2008/08/20			
APPROVED BY: MSASAO DATE: 2008/08/20	MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-503105-002	SHEET NO.: 1 OF 2	

MODEL NO. 503105-**10

SIZE A3

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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-**10

REVISED
EC NO: J2009-2865 2009/06/22
DRWN:TTANIGUCHI01 2009/06/22
CH'KD:THIRATA 2009/06/22
APPR:MSASAO 2009/06/22
DESCRIPTION
B
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	± ---
10 OVER 30 UNDER	± ---
30 OVER	± ---
ANGULAR	± --- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: RTAKEUCHI DATE: 2008/08/20
CHECKED BY: THIRATA DATE: 2008/08/20
APPROVED BY: MSASAO DATE: 2008/08/20

TITLE: 0.4 B-TO-B CONN. HGT=1.5 REC ASSY EMBSTP PKG

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-503105-002
SHEET NO.: 2 OF 2

SIZE A3

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