

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5034608010](#)
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, With Solder Tabs, 80 Circuits

Documents:

[3D Model](#) [Product Specification PS-502426-004 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Headers
Series [503460](#)
Application Board-to-Board
Overview [slimstack_mm016_pitch](#)
Product Name SlimStack™

Physical

Breakaway No
Circuits (Loaded) 80
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 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 (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification AS-502426-002
Packaging Specification SPK-503460-001
Product Specification PS-502426-004, RPS-502426-018
Sales Drawing SD-503460-001, SD-503460-002

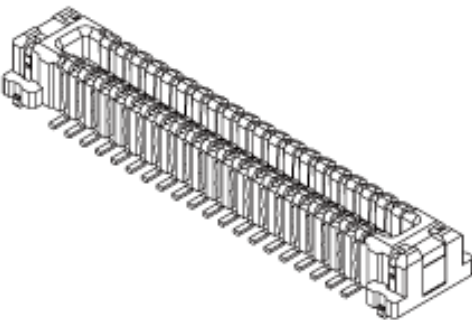


image - Reference only

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
[503460Series](#)

Mates With
[502426](#) PCB Receptacle

10 9 8 7 6 5 4 3 2 1

注記 NOTES

1. 使用材料 MATERIAL

ウェハー : 液晶ポリマー (LCP)、ガラス充填、UL94V-0、黒
WAFER : LIQUID CRYSTAL POLYMER(LCP), GLASS FILLED, UL94V-0, BLACK

ピン : りん青銅 (t=0.08)
PIN : PHOSPHOR BRONZE (t=0.08)

金具 : りん青銅 (t=0.15)
FITTING NAIL : PHOSPHOR BRONZE (t=0.15)

2. メッキ仕様 PLATING

ピン PIN

金メッキ 0.1 マイクロメートル以上
GOLD 0.1MICROMETER MINIMUM

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 DISPOSITION

金具 FITTING NAIL

フラッシュ金メッキ
FLASH Au PLATING

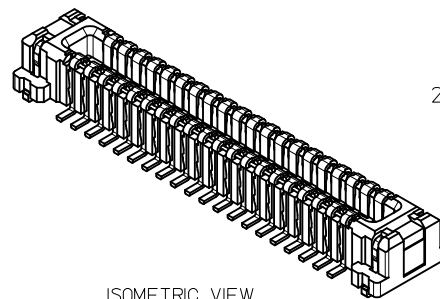
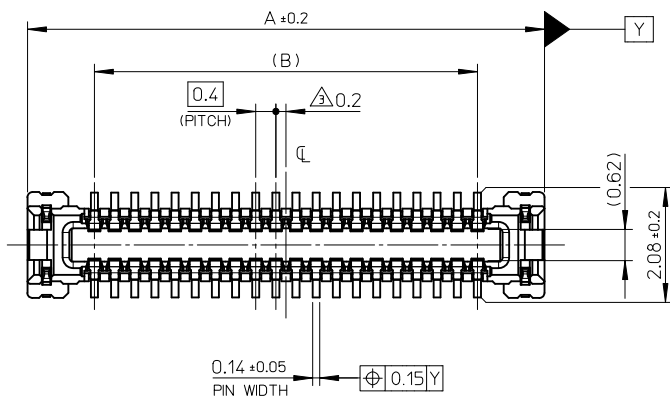
下地メッキ : ニッケルメッキ 1.0 マイクロメートル以上
UNDER PLATING : NICKEL 1.0MICROMETER MINIMUM

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

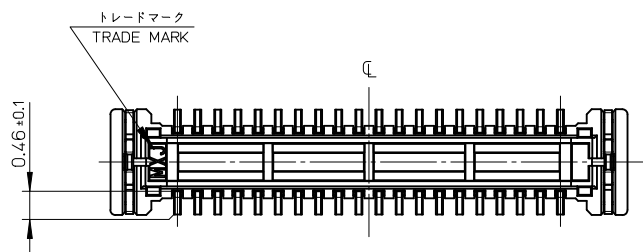
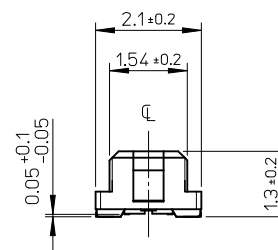
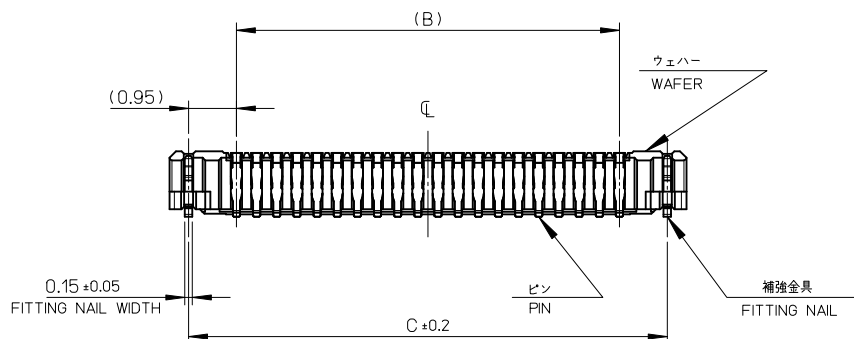
4. 嵌合相手 : 502426 シリーズ
MATE WITH : 502426 SERIES.

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 0.08MAXIMUM.
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1MAXIMUM..

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



ISOMETRIC VIEW



17.5	15.6	18.26	503460-8010	80
C	B	A	EMBOSSED TAPE	CKT.
			ORDER No. オーダー番号	
			CONNECTOR SERIES No. : 503460-***19	

REVISED EC NO: J2010-2429 DRWN:TKA IHO 2010/05/31 CHKD:S. MARUYAMA 2010/06/01 APPR:MSASAO 2010/06/02 A	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY K. TOYODA	DATE 2009/12/02	TITLE 0.4 B-TO-B CONN. HGT=1.5 W=2.6 PLUG ASSY				
		10 OVER 30 UNDER	± ---	CHECKED BY S. MARUYAMA	DATE 2009/12/02					
		30 OVER	± ---	APPROVED BY M. SASAO	DATE 2009/12/02					
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503460-001		1 OF 2			
	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

10

9

8

7

6

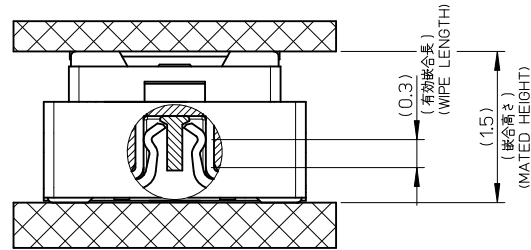
5

4

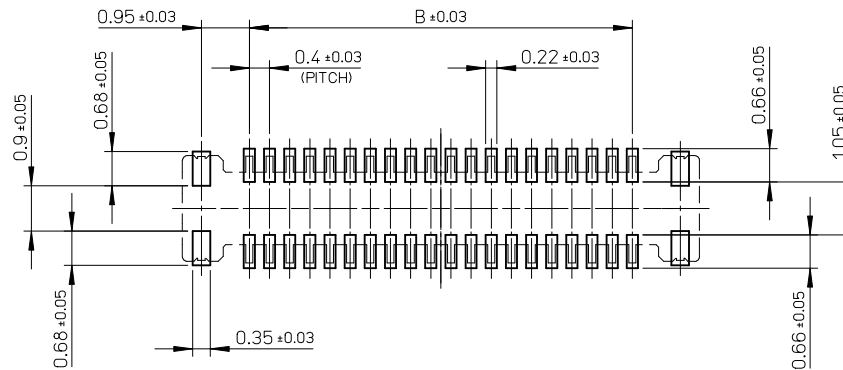
3

2

1



嵌合断面図 (参考)
MATED DRAWING (REFERENCE)
(SCALE 20:1)



推奨基板寸法 (参考)
P.W. BOARD PATTERN LAYOUT (REFERENCE)

SEE SHEET 1 OF 2 EC NO: J2010-2429 DRWN:TKA/HO 2010/05/31 CHK'D:S. MARUYAMA 2010/06/01 APPR:MSASAO 2010/06/02	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER ± ---		DRAWN BY DATE K. TOYODA 2009/12/02		TITLE 0.4 B-TO-B CONN. HGT=1.5 W=2.6 PLUG ASSY			
		10 OVER 30 UNDER ± ---		CHECKED BY DATE S. MARUYAMA 2009/12/02					
		30 OVER ± ---		APPROVED BY DATE M. SASAO 2009/12/02		MOLEX INCORPORATED			
		ANGULAR ± --- °		MATERIAL NO.					
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		DOCUMENT NO. SD-503460-001		SHEET NO. 2 OF 2	
				SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9

8

7

6

5

4

3

2

10

9

8

7

6

5

4

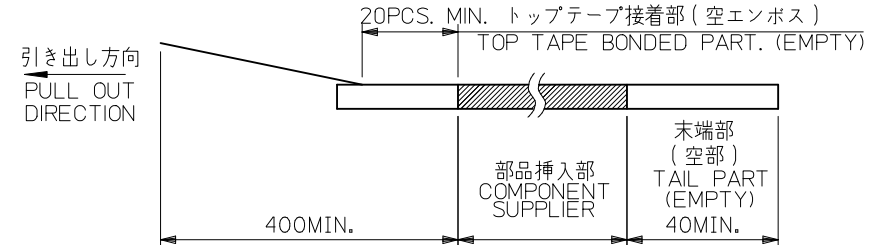
3

2

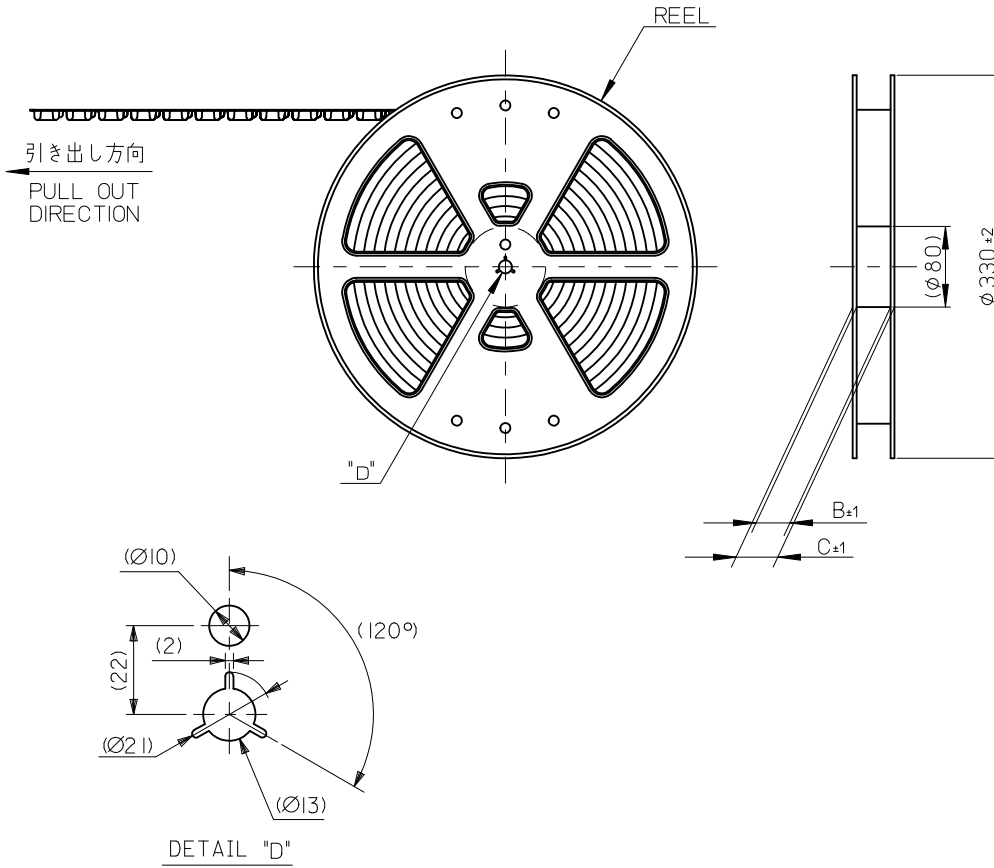
1

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



- 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



MODEL NO. : 503460-**10

RELEASED EC NO.: J2010-1155 DWG:K TOYODA CHK'D: MARUYAMA APPR: MSASAO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY K. TOYODA	DATE 2009/12/02	TITLE 0.4 B-T-O-B CONN. HGT=1.5 W=2.6 PLUG ASSY EMBSTP PKG  MOLEX INCORPORATED				
		10 OVER 30 UNDER	± ---	CHECKED BY S. MARUYAMA	DATE 2009/12/02					
		30 OVER	± ---	APPROVED BY M. SASAO	DATE 2009/12/02					
		ANGULAR ± --- °		MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE CHART SD-503460-002 1 OF 2					
0	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

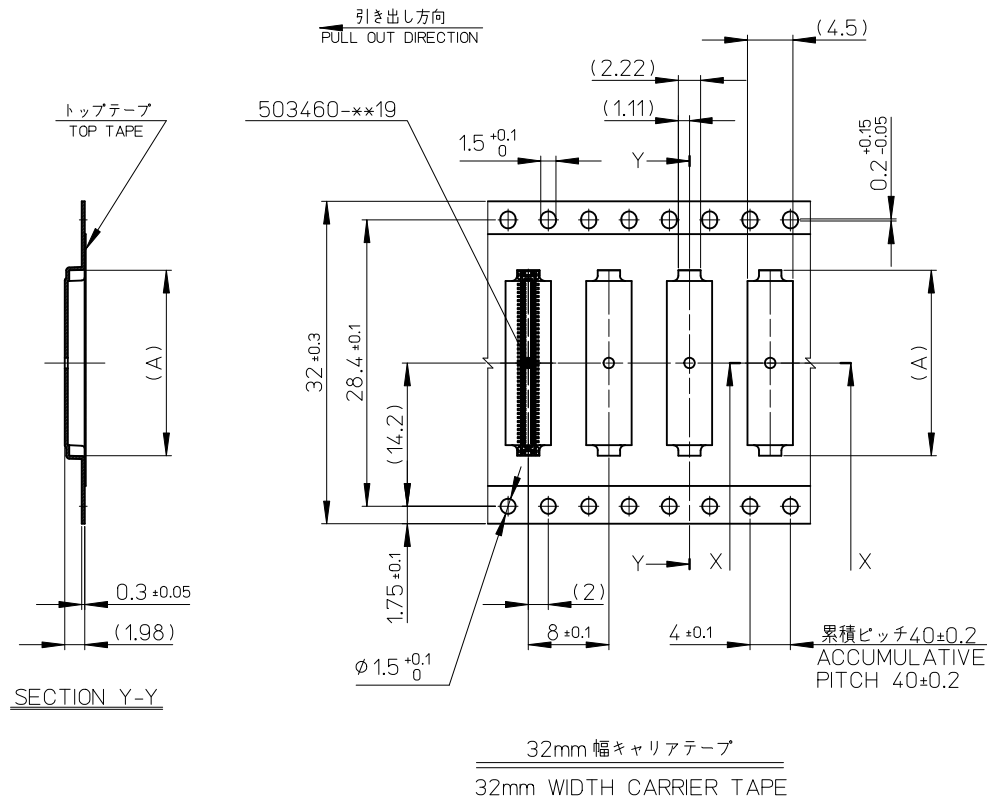
E

D

C

B

A



32	37.4	33.4	18.38	503460-8010	80
キャリアテープ幅 CARRIER TAPE WIDTH		C	B	(A)	MATERIAL No.
MODEL No. : 503460-**10					CKT.

SEE SHEET 1 OF 2 EC NO: J2010-1155 DRWN:KTOYODA 2009/12/08 CHKD:S.MARUYAMA 2009/12/08 APPR:MSASAO 2009/12/08 REV 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY K. TOYODA	DATE 2009/12/02	TITLE 0.4 B-TO-B CONN. HGT=1.5 W=2.6 PLUG ASSY EMBSTP PKG				
		10 OVER 30 UNDER	± ---	CHECKED BY S. MARUYAMA	DATE 2009/12/02					
		30 OVER	± ---	APPROVED BY M. SASAO	DATE 2009/12/02	MOLEX INCORPORATED				
		ANGULAR	± --- °	MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART			SD-503460-002			2 OF 2
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

9

8

7

6

5

4

3

2