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Part Number:

5015915011

Status:

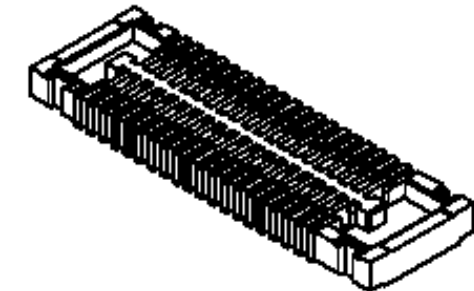
Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board Receptacle, SMT, Dual Row, Vertical Stacking, 0.90mm (.035") Stacking Height, With Solder Tabs, 50 Circuits



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-501591-002 \(PDF\)](#)
- [Product Specification PS-501591-003 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	501591
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™

Physical

Circuits (Loaded)	50
Color - Resin	Black
Durability (mating cycles max)	20
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (in)	0.035 In
Mated Height (mm)	0.90 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-25°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

Packaging Specification	SPK-501591-001
Product Specification	PS-501591-002, PS-501591-003, RPS-501591-007, RPS-501591-010, RPS-501591-011, RPS-501591-012, RPS-501591-013, RPS-501591-014, RPS-501591-015, RPS-501591-016, RPS-501591-017, RPS-501591-019, RPS-501591-020
Sales Drawing	SD-501591-005, SD-501591-006

EU RoHS

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

China RoHS



Need more information on product
environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

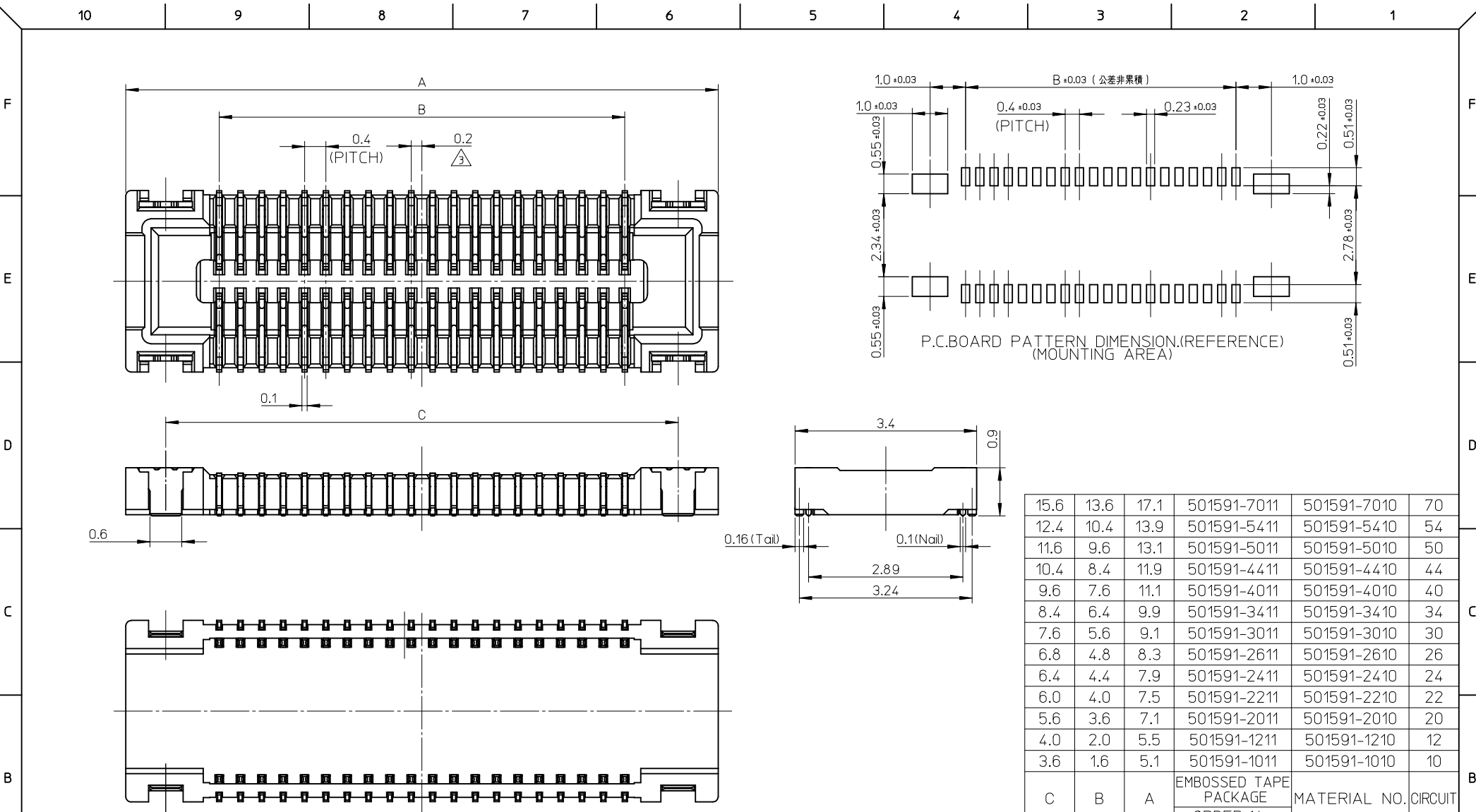
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
501591Series

Mates With
501594 PCB Header

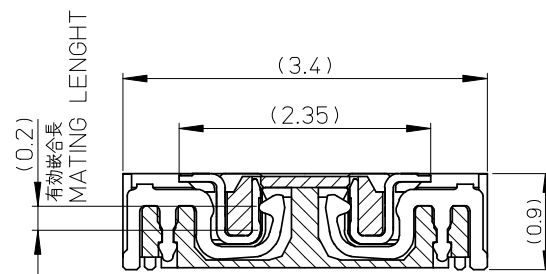
This document was generated on 05/24/2010

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15.6	13.6	17.1	501591-7011	501591-7010	70
12.4	10.4	13.9	501591-5411	501591-5410	54
11.6	9.6	13.1	501591-5011	501591-5010	50
10.4	8.4	11.9	501591-4411	501591-4410	44
9.6	7.6	11.1	501591-4011	501591-4010	40
8.4	6.4	9.9	501591-3411	501591-3410	34
7.6	5.6	9.1	501591-3011	501591-3010	30
6.8	4.8	8.3	501591-2611	501591-2610	26
6.4	4.4	7.9	501591-2411	501591-2410	24
6.0	4.0	7.5	501591-2211	501591-2210	22
5.6	3.6	7.1	501591-2011	501591-2010	20
4.0	2.0	5.5	501591-1211	501591-1210	12
3.6	1.6	5.1	501591-1011	501591-1010	10
C	B	A	EMBOSSED TAPE PACKAGE	MATERIAL NO.	CIRCUIT
			ORDER No.		

REVISED EC NO: J2008-3370 2008/06/17 DRWK:SETO 2008/06/17 CHKD:MSASO 2008/06/25 APPR:MSASO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY TASAKAWA	DATE 2006/07/10	TITLE 0.4MM PITCH B/B CONN. H=0.9 W=3.4 REC ASSY				
		10 OVER 30 UNDER	±0.25	CHECKED BY MSASO	DATE 2006/07/10					
		30 OVER	±0.3	APPROVED BY MSASO	DATE 2006/07/10	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501591-005				1 OF 2
	REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



嵌合断面図(参考)

MATED DRAWING

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 UL-94V-0（黒）
HOSING：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)

金具 : りん青銅 (t=0.1)
FITTING NAIL : PHOSHOR 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

金具
FITTING NAIL

錫メッキ :1.0マイクロメートル以上
TIN PLATING :1.0 MICROMETER MINIMUM

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

△₃ (全極数/2)=偶数の場合に適用
APPLY FOR (CIRCUIT/2)=EVEN

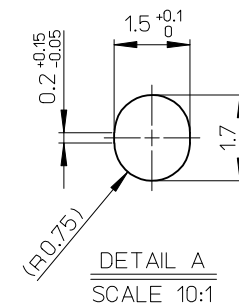
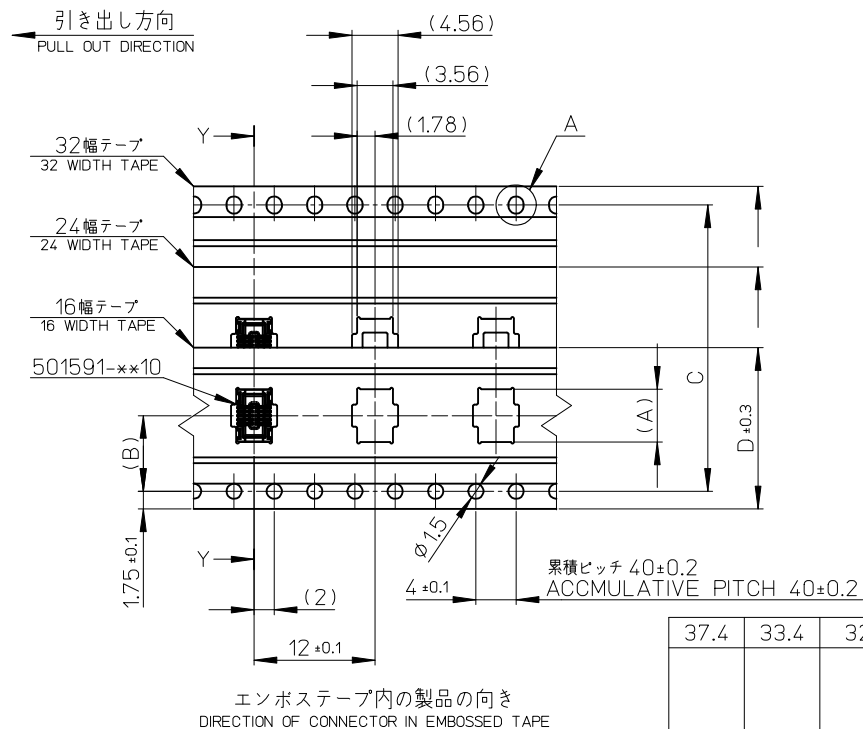
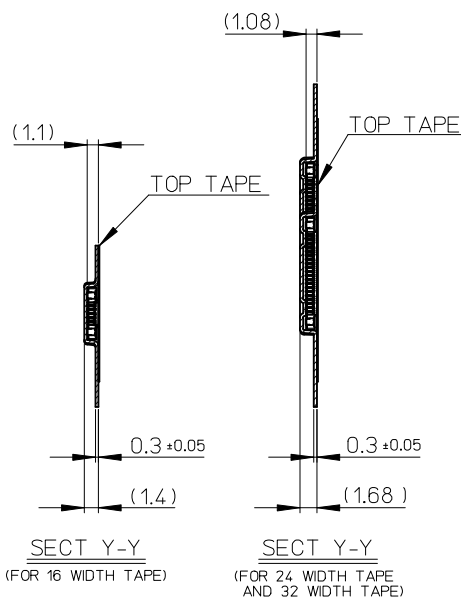
4. 嵌合相手 : 501594-**10 シリーズ
WITH MATE : 501594-**10 SERIES

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

6.ELV AND RoHS COMPLIANT.

REVISED	EC NO: J2008-3370	DRWN:KSETO 2008/06/17 CHKD:MSASAO 2008/06/17 APPR:MSASAO 2008/06/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				10 UNDER	± 0.2	DRAWN BY TASAKAWA	DATE 2006/07/10	TITLE 0.4MM PITCH B/B CONN. H=0.9 W=3.4 REC ASSY			
				10 OVER 30 UNDER	± 0.25	CHECKED BY MSASAO	DATE 2006/07/10				
				30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2006/07/10	 MOLEX INCORPORATED			
				ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-501591-005		2 OF 2	
				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



37.4	33.4	32	28.4	14.2	17.26	501591-7011	70
29.4	25.4	24	—	11.5	14.06	501591-5411	54
					13.26	501591-5011	50
					12.06	501591-4411	44
					11.26	501591-4011	40
					10.06	501591-3411	34
					9.26	501591-3011	30
					8.46	501591-2611	26
					8.06	501591-2411	24
					7.66	501591-2211	22
21.4	17.4	16	—	7.5	7.26	501591-2011	20
					5.66	501591-1211	12
					5.26	501591-1011	10
F	E	D	C	(B)	(A)	MATERIAL No.	極数 CKT

REVISED EC NO: J2008-3370 2008/06/17 DRWK:SETO 2008/06/17 CHKD:MSASAO 2008/06/25 APPR:MSASAO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		10 UNDER	± 0.2	TASAKAWA	2006/07/10	TITLE 0.4 B-TO-B CONN. REC ASSY (HGT=0.9) EMBSTP PKG					
		10 OVER 30 UNDER	± 0.25	CHECKED BY MSASAO	2006/07/10						
		30 OVER	± 0.3	APPROVED BY MSASAO	2006/07/10	MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501591-006		2 OF 2			
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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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