

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5015942611

Status:

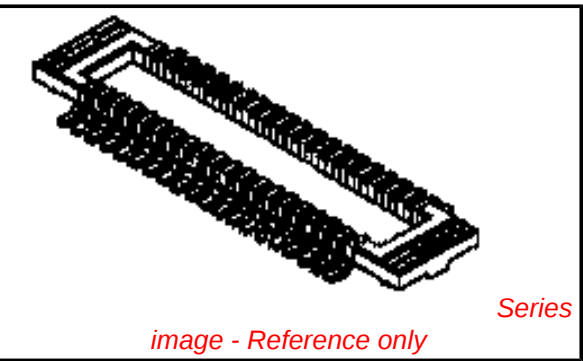
Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board Plug, SMT, Dual Row, Vertical Stacking, 0.90mm (.035") Stacking Height, With Solder Tabs, 26 Circuits



Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	501594
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	26
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-501594-001
Product Specification	RPS-501591-010, RPS-501591-012, RPS-501591-016, RPS-501591-019
Sales Drawing	SD-501594-005, SD-501594-006

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.

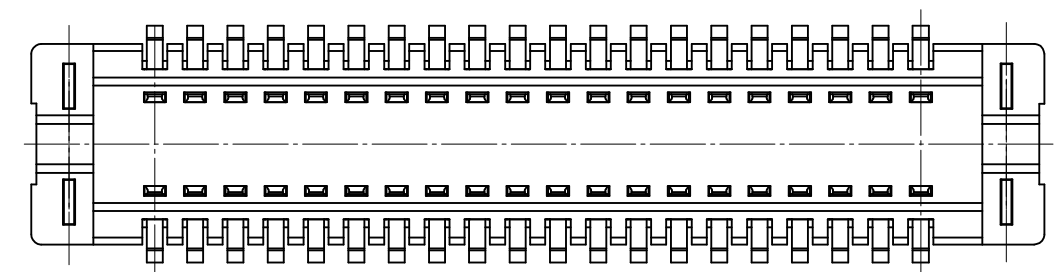
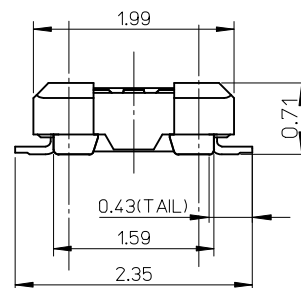
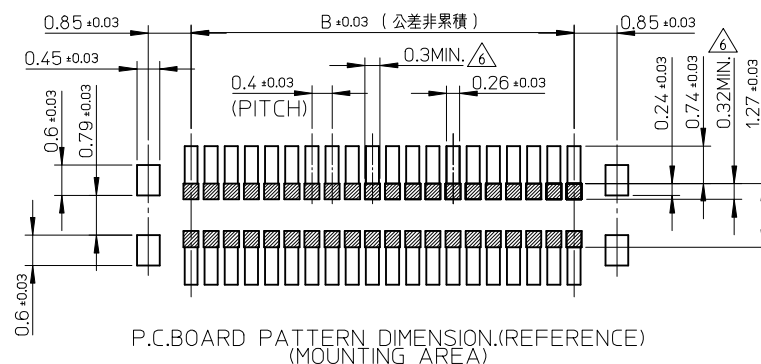
Search Parts in this Series

501594Series

Mates With

501591 SlimStack™ Board-to-Board Receptacle

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



15.3	13.6	16.05	501594-7011	501594-7010	70
12.1	10.4	12.85	501594-5411	501594-5410	54
11.3	9.6	12.05	501594-5011	501594-5010	50
10.1	8.4	10.85	501594-4411	501594-4410	44
9.3	7.6	10.05	501594-4011	501594-4010	40
8.1	6.4	8.85	501594-3411	501594-3410	34
7.3	5.6	8.05	501594-3011	501594-3010	30
6.5	4.8	7.25	501594-2611	501594-2610	26
6.1	4.4	6.85	501594-2411	501594-2410	24
5.7	4.0	6.45	501594-2211	501594-2210	22
5.3	3.6	6.05	501594-2011	501594-2010	20
3.7	2.0	4.45	501594-1211	501594-1210	12
3.3	1.6	4.05	501594-1011	501594-1010	10
C	B	A	EMBOSSD TAPE PACKAGE	MATERIAL NO.	CIRCUIT
			ORDER No.		

REVISED	EC NO.: J2008-3370	2008/06/17	DRWNK:SETO	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 T. ASAKAWA	DATE 2006/07/10	TITLE 0.4MM PITCH B/B CONN. H=0.9 W=3.4 PLUG ASSY			
										10 OVER 30 UNDER	± 0.25	CHECKED BY M. SASAO	DATE 2006/07/10				
										30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2006/07/10				
										ANGULAR ±3 °		MATERIAL NO.		 MOLEX INCORPORATED	DOCUMENT NO.	SHEET NO.	
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE			SD-501594-005	1 OF 2	
									REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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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（ $t=0.08$ ）
TERMINAL：PHOSHOR BRONZE ($t=0.08$)

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 AERA)

金メッキ 0.03マイクロメートル以上（テール部）
GOLD 0.03 MICROMETER MINIMUM (TAIL AERA)

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

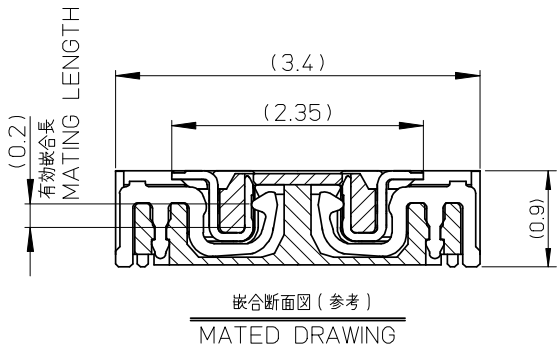
3. $\triangle$ (全極数/2)=偶数の場合に適用
APPLY FOR (CIRCUIT/2)=EVEN

4. 嵌合相手：501591-**10 シリーズ
WITH MATE：501591-**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. $\triangle$ 斜線部はパターン書き込み禁止範囲と半田禁止範囲を示す。
ただし、斜線部に同一配線を配置する場合はレジストを施し、この部分に半田は無きこと。
NO PATTERN CIRCUIT AND NO SOLDER ALLOWED IN THE SHADED AREA.
HOWEVER, IF NEEDED TO ADD A TRACE OF THE SAME CIRCUIT, PUT THE SOLDER-RESIST,
YET NO SOLDER ALLOWED IN THE AREA.

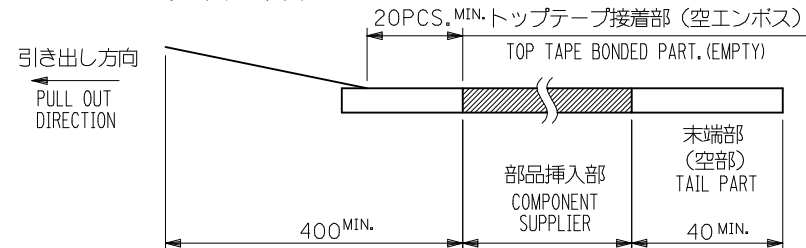
7.ELV AND RoHS COMPLIANT.



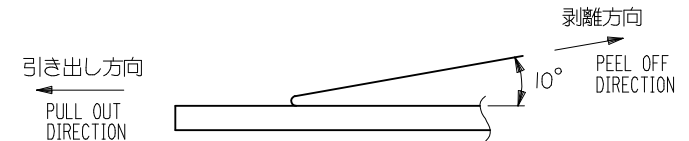
REVISED EC NO: J2008-3370 2008/06/17 DRWN:KSETO 2008/06/17 CHKD:MSASAO 2008/06/25 APPR:MSASAO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		10 OVER 30 UNDER	± 0.25	CHECKED BY M. SASAO		DATE 2006/07/10				
		30 OVER	± 0.3	APPROVED BY M. SASAO		DATE 2006/07/10	MOLEX INCORPORATED			
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-501594-005		2 OF 2			
	REV		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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 : JES-59 参照
剥離方向は下図参照。
PEELING OFF STRENGTH OF TOP TAPE : REFER TO JES-59
PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE.



- 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 (TOPTAPE) : 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 AND RoHS COMPLIANT.

REVISED EC NO: J2008-3370 2008/06/17 DRW:KSETO 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	DRAWN BY TASAKAWA	DATE 2006/07/10	TITLE 0.4MM PITCH B/B CONN. PLUG ASSY (HGT=0.9) EMBSTP PKG MOLEX INCORPORATED		DOCUMENT NO. SD-501594-006	SHEET NO. 1 OF 2		
		10 OVER 30 UNDER	± 0.25	CHECKED BY MSASAO	DATE 2006/07/10						
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2006/07/10						
		ANGULAR ±3 °		MATERIAL NO. SEE SHEET 1							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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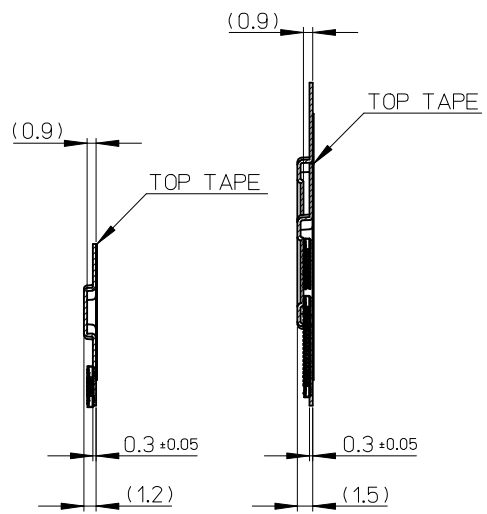
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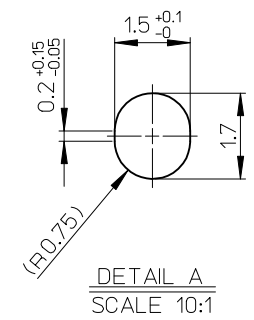
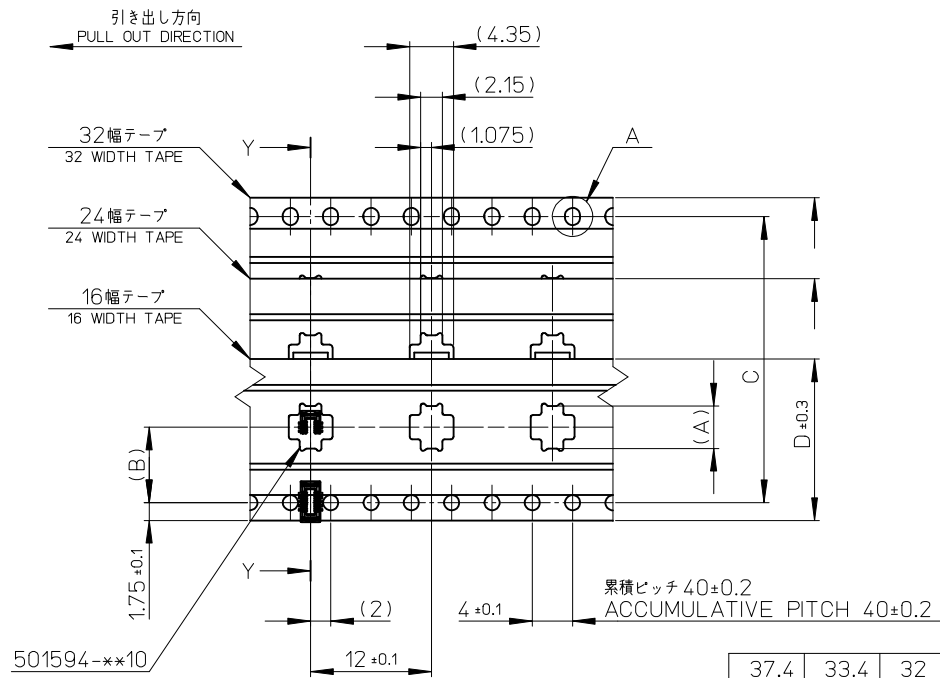
A

引き出し方向
PULL OUT DIRECTION



SECT Y-Y
(FOR 16 WIDTH TAPE)

SECT Y-Y
(FOR 24 WIDTH TAPE
AND 32 WIDTH TAPE)



37.4	33.4	32	28.4	14.2	16.21	501594-7011	70
29.4	25.4	24	—	11.5	13.01	501594-5411	54
					12.21	501594-5011	50
					11.01	501594-4411	44
					10.21	501594-4011	40
					9.01	501594-3411	34
					8.21	501594-3011	30
					7.41	501594-2611	26
					7.01	501594-2411	24
21.4	17.4	16	—	7.5	6.61	501594-2211	22
					6.21	501594-2011	20
					4.61	501594-1211	12
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

REV

DESCRIPTION

10 UNDER ± 0.2

10 OVER 30 UNDER ± 0.25

30 OVER ± 0.3

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

DIMENSION STYLE
MM ONLY

DRAWN BY
TASAKAWA

DATE
2006/07/10

CHECKED BY
MSASAO

DATE
2006/07/10

APPROVED BY
MSASAO

DATE
2006/07/10

MATERIAL NO.

SIZE
A3

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
0.4MM PITCH B/B CONN.
PLUG ASSY (HGT=0.9)
EMBSTP PKG

MOLEX INCORPORATED

DOCUMENT NO.
SD-501594-006

SHEET NO.
2 OF 2

501594-**-11

MODEL NO.

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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

Офис по работе с юридическими лицами:

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