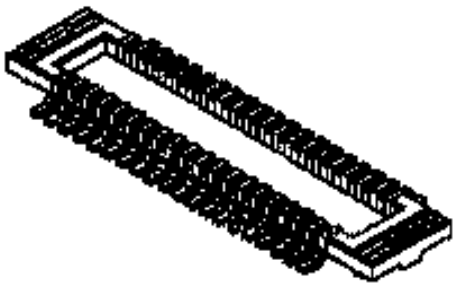
This document was generated on 05/26/2010

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Part Number: 5015941011
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, 10 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-501591-002 (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)	10
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	PS-501591-002, RPS-501591-012, RPS-501591-019, RPS-501591-020
Sales Drawing	SD-501594-005, SD-501594-006

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

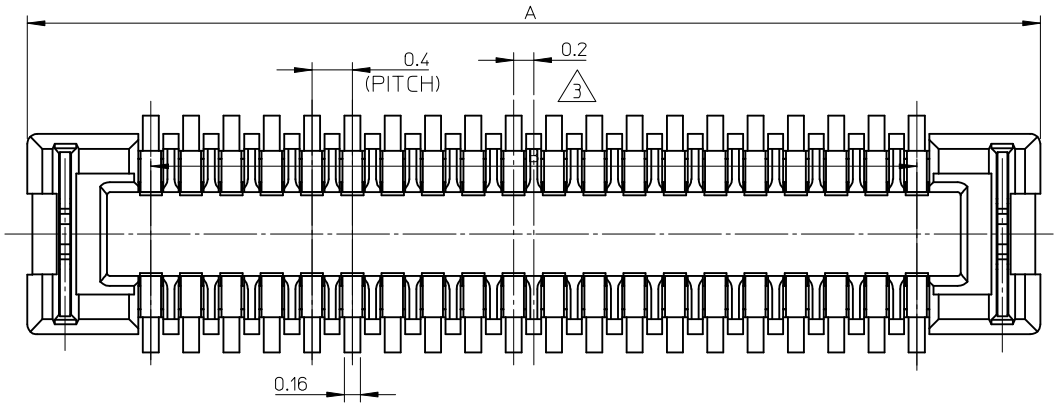
Please visit the Contact Us section for any non-product compliance questions.

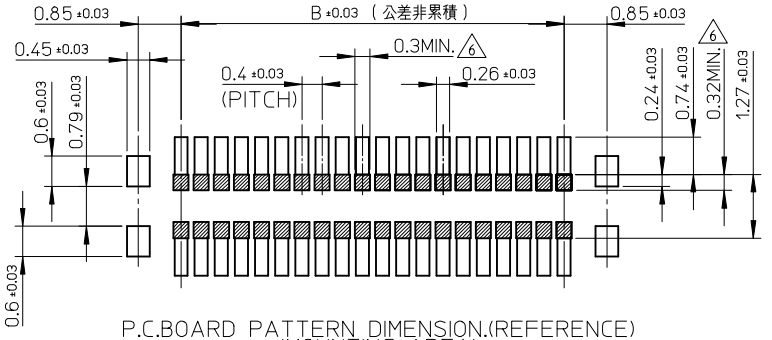
Search Parts in this Series
501594Series

Mates With
501591 SlimStack™ Board-to-Board Receptacle

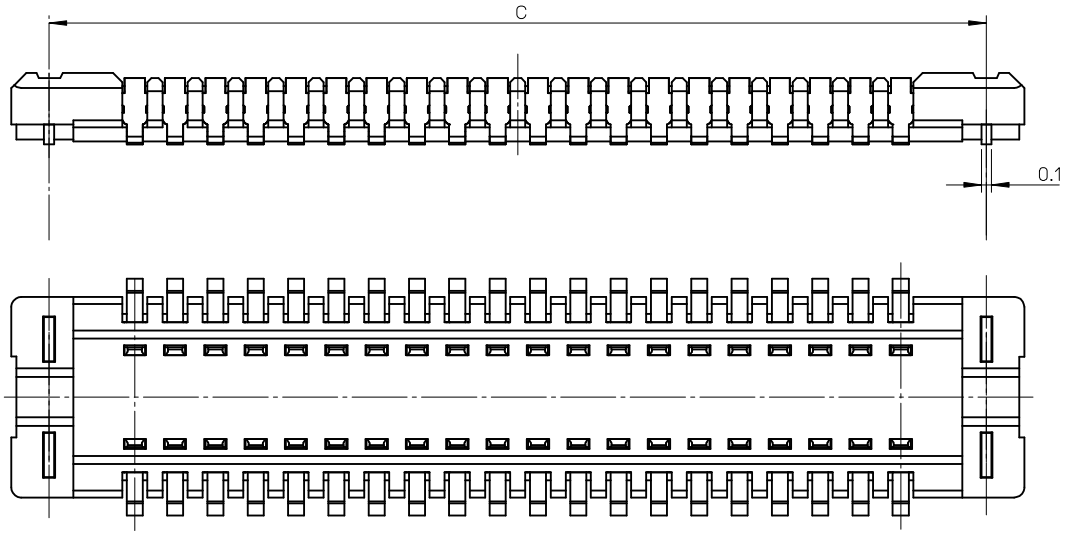
This document was generated on 05/26/2010

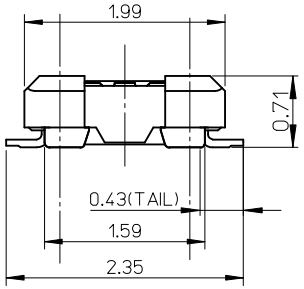
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





P.C.BOARD PATTERN DIMENSION.(REFERENCE)
(MOUNTING AREA)





C	B	A	EMBOSSED TAPE PACKAGE / ORDER No.	MATERIAL NO.	CIRCUIT
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

REVISED
EC NO: J2008-3370 2008/06/17
DRWN:KSETO 2008/06/17
CH'KD:MSASAO
APPR:MSASAO 2008/06/25
DESCRIPTION
REV E

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: T.ASAKAWA DATE: 2006/07/10
CHECKED BY: M.SASAO DATE: 2006/07/10
APPROVED BY: M.SASAO DATE: 2006/07/10

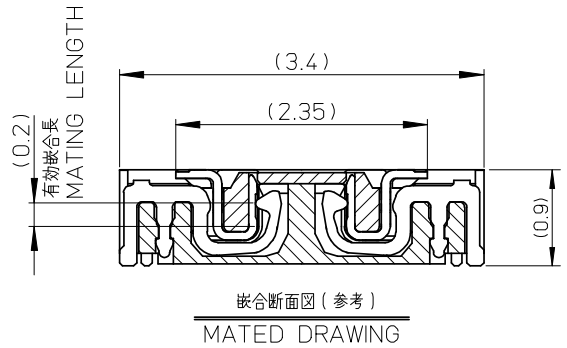
TITLE: 0.4MM PITCH B/B CONN. H=0.9 W=3.4 PLUG ASSY

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-501594-005
SHEET NO.: 1 OF 2

SIZE A3

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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=0.08)
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 (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-**10SERIES

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 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.

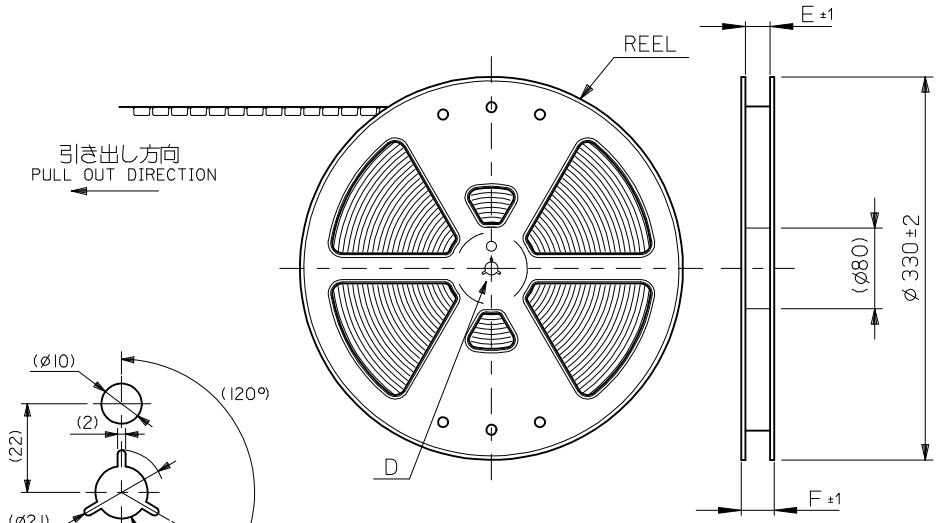
REVISED				DESCRIPTION	REV
EC NO: J2008-3370	DRWN:KSETO	CH'KD:MSASAO	APPR:MSASAO		
2008/06/17	2008/06/17	2008/06/25			

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

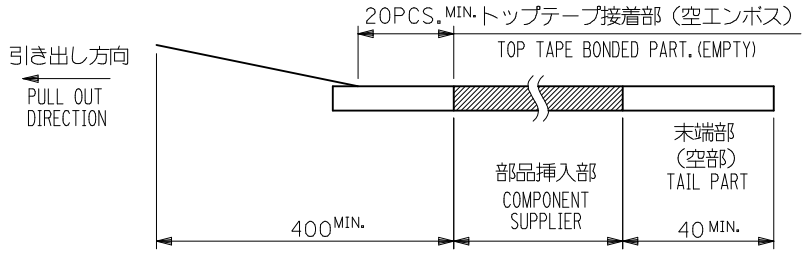
DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: T.ASAKAWA	DATE: 2006/07/10	TITLE: 0.4MM PITCH B/B CONN. H=0.9 W=3.4 PLUG ASSY	
CHECKED BY: M.SASAO	DATE: 2006/07/10		
APPROVED BY: M.SASAO	DATE: 2006/07/10	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE SHEET 1		DOCUMENT NO.: SD-501594-005	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		



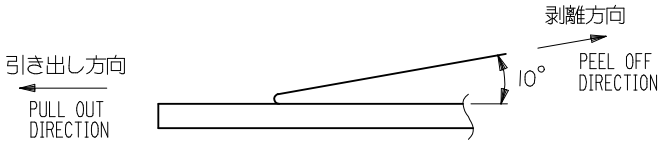
DETAIL D

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 : 3000 PCS/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：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.



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（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	DRWN:KSETO	CH'KD:MSASAO	APPR:MSASAO	DESCRIPTION	REV
	2008/06/17	2008/06/17	2008/06/25			
						D

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	TASAKAWA 2006/07/10
CHECKED BY / DATE	MSASAO 2006/07/10
APPROVED BY / DATE	MSASAO 2006/07/10
MATERIAL NO.	SEE SHEET 1
SIZE	A3

501594-**11 MODEL NO.

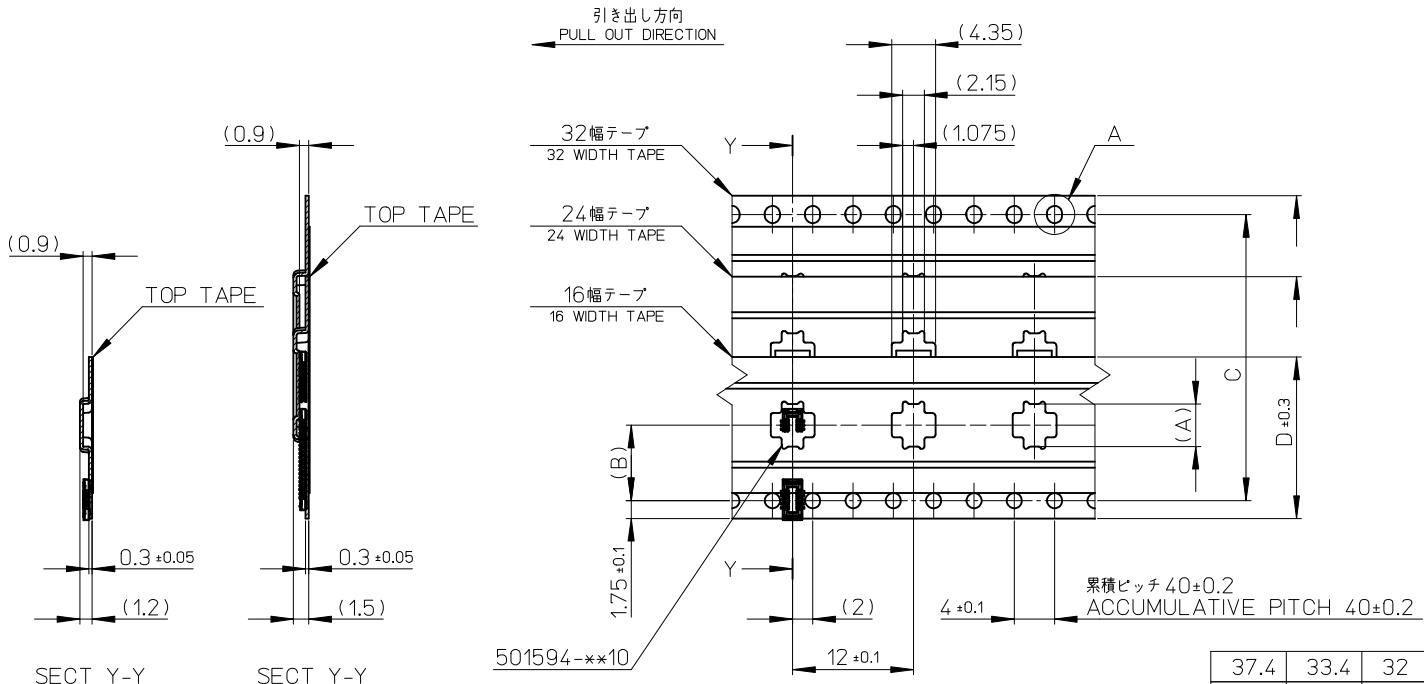
TITLE: 0.4MM PITCH B/B CONN. PLUG ASSY (HGT=0.9) EMBSTP PKG

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DOCUMENT NO. SD-501594-006

SHEET NO. 1 OF 2

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F	E	D	C	(B)	(A)	MATERIAL NO.	極数 CKT.
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
					6.61	501594-2211	22
					6.21	501594-2011	20
21.4	17.4	16	—	7.5	4.61	501594-1211	12
					4.21	501594-1011	10

501594-**11 MODEL NO.

REVISED
EC NO: J2008-3370 2008/06/17
DRWN:KSETO 2008/06/17
CH'KD:MSASAO
APPR:MSASAO 2008/06/25
DESCRIPTION
REV D

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: TASAKAWA DATE: 2006/07/10
CHECKED BY: MSASAO DATE: 2006/07/10
APPROVED BY: MSASAO DATE: 2006/07/10
MATERIAL NO.: SEE TABLE

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
SIZE: A3

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Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург, Промышленная ул, дом № 19, литера Н, помещение 100-Н Офис 331