

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

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

Series

Application

Overview

Product Name

PCB Receptacles

501591

Board-to-Board

slimstack_mm016_pitch

SlimStack™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Glow-Wire Compliant

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Polarized to Mating Part

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

50

Black

20

No

Yes

0.035 In

0.90 mm

Phosphor Bronze

Gold

2

Vertical

No

Yes

Embossed Tape on Reel

0.016 In

0.40 mm

No

No

No

Yes

-25°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.3A

50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

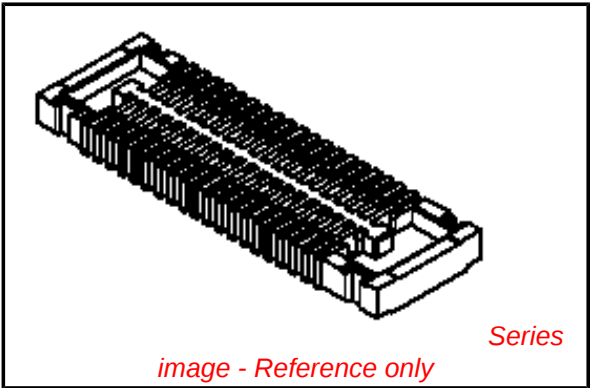
Product Specification

SPK-501591-001

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

SD-501591-005, SD-501591-006

Sales Drawing



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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.

China RoHS



Search Parts in this Series

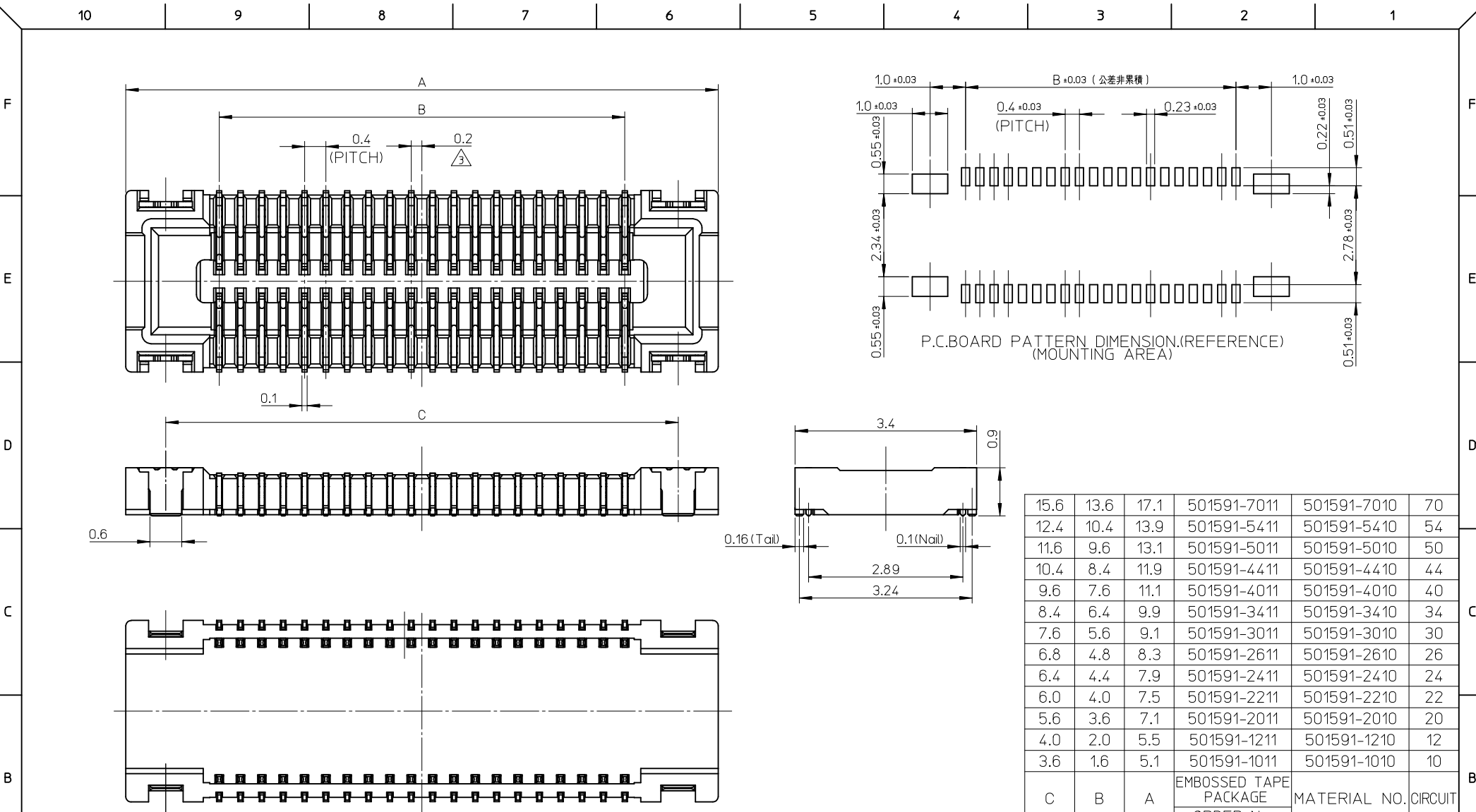
501591Series

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 DRWN:KSE10 CHKD:MSASAO APPR:MSASAO REV	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.				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								

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）
HOISING：LIQUID CRYSTAL POLYMER (GLASS FILLED) UL94V-0 (COLOR:BLACK)

ターミナル：りん青銅（t=0.1）
TERMINAL：PHOSHOR 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 AERA)

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 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

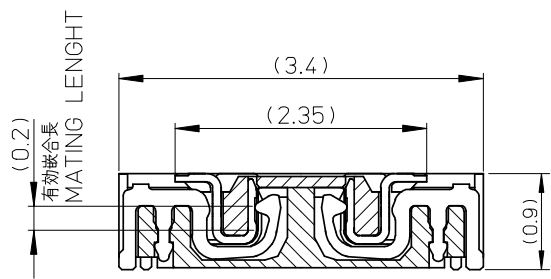
下地メッキ：ニッケル 1.0マイクロメートル以上
UNDER PLATING：NICKEL 1.0 MICROMETER MINIMUM

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

4.嵌合相手：501594-**10シリーズ
WITH MATE：501594-**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.ELV AND RoHS COMPLIANT.



嵌合断面図（参考）
MATED DRAWING

REVISED EC NO: J2008-3370 DRAWN:KSETO 2008/06/17 CHKD:MSASAO 2008/06/17 APPR:MSASAO 2008/06/25 T	DESCRIPTION REV	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 MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-501591-005		SHEET NO. 2 OF 2			
		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						

10

9

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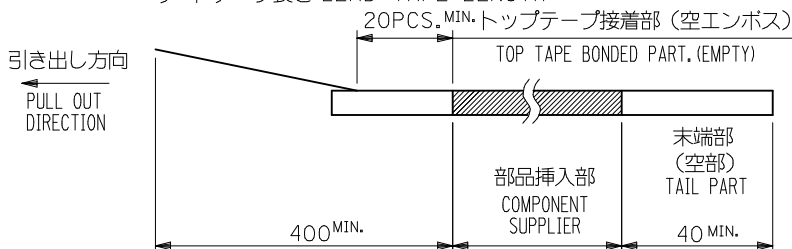
3

2

1

NOTES

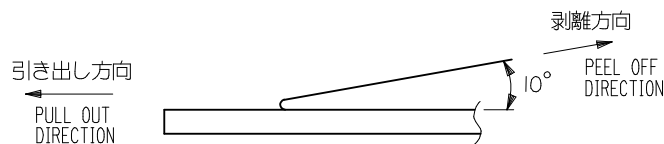
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量： 3000 個／リール
NUMBER OF CONNECTORS : 3000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



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

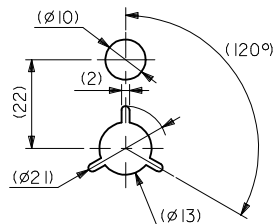
キャリアテープ (CARRIER TAPE) : ポリスチレン (POLYSTYLENE)

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>
POLYSTYLENE (PS) <RECYCLE MATERIAL CONTAINED>

6.ELV AND RoHS COMPLIANT.

引き出し方向
PULL OUT DIRECTION



DETAIL D

REVISED	EC NO. J2008-3370	2008/06/17	2008/06/17	2008/06/17	2008/06/17	501591-**11		MODEL NO.	
						DESIGN UNITS	METRIC	THIRD ANGLE PROJECTION	
DESCRIPTION	REV	DATE	DATE	DATE	DATE	0.4 B-TO-B CONN. REC ASSY (HGT=0.9) EMBSTP PKG			
						MOLEX INCORPORATED			
GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DRAWN BY	DATE	TITLE	SD-501591-006			
						1 OF 2			
10 UNDER	±0.2	TASAKAWA	2006/07/10			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
10 OVER 30 UNDER	±0.25	MSASAO	2006/07/10						
30 OVER	±0.3	MSASAO	2006/07/10						
ANGULAR ±3 °									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

9

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5

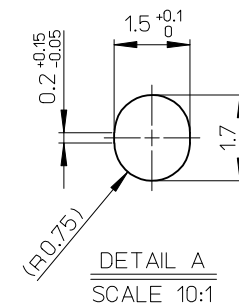
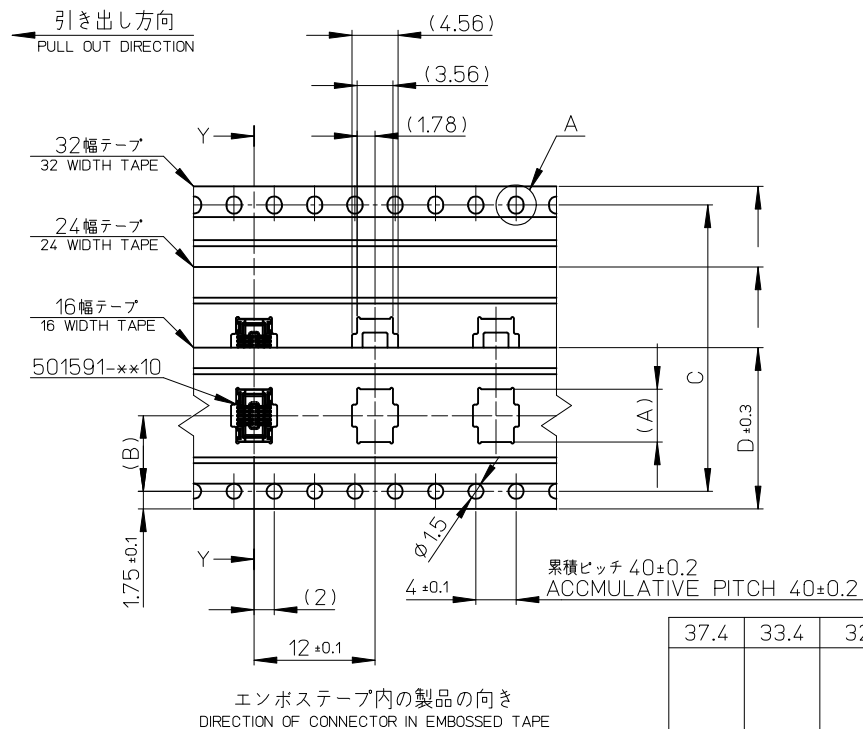
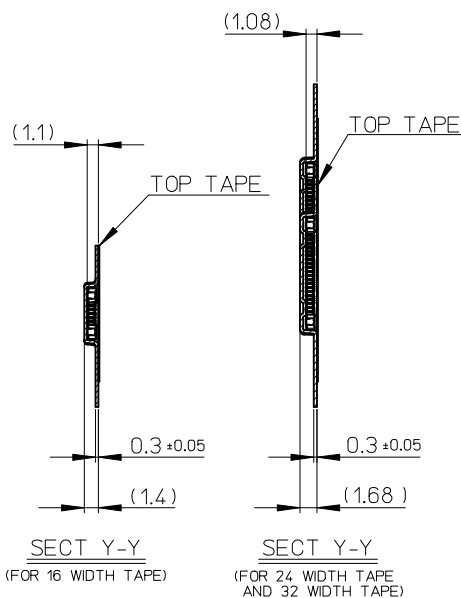
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3

2

EN-02JA(021)

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			
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		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.			
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				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					