

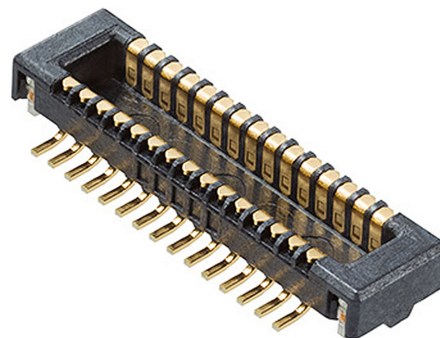
产品编号 : [559094472](#)

Product Description : SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 0.20µm Gold (Au) Plating, 1.50 or 1.80mm Mated Height, 3.40 or 4.20mm Mated Width, 44 Circuits

系列号 : 55909

状态 : Active

Product Category : Board-to-Board Connectors



文件和资源

图纸

[图纸 559094472_sd.pdf](#)

3D 模型和设计文件

[2D 图纸 DXF 559094472.dxf](#)

[2D 图纸 DXF PDF 559094472.pdf](#)

[3D模型 559094472_stp.zip](#)

规格

[包装规格 SPK-55909-001-001.pdf](#)

[产品规格 PS-51338-002-001.pdf](#)

产物环境合规

合规

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

多部分行业合规性文件

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	Board-to-Board Connectors
系列	55909
说明	SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 0.20µm Gold (Au) Plating, 1.50 or 1.80mm Mated Height, 3.40 or 4.20mm Mated Width, 44 Circuits
产品系列	0.4, J-Bend
应用	Board-to-Board, Signal
个评论	Solder Tab Plating: Tin
元件类型	PCB Header
产品系列	SlimStack Board-to-Board/Board-to-FPC Connectors
产品名称	SlimStack
UPC	884982137660

电气

每触点最大电流	0.3A
电压 - 最大	50V AC (RMS)/DC

物理

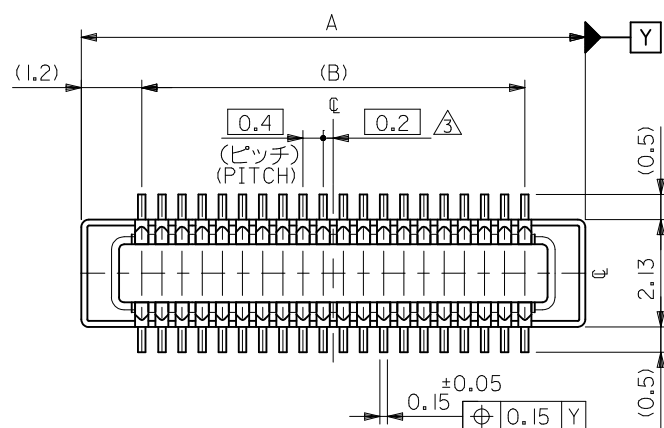
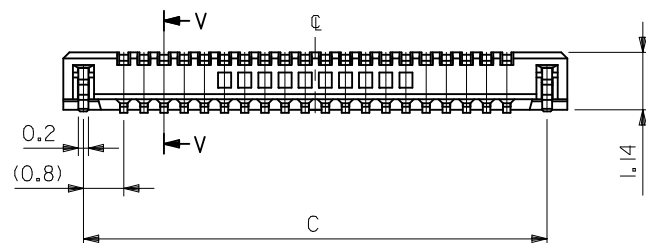
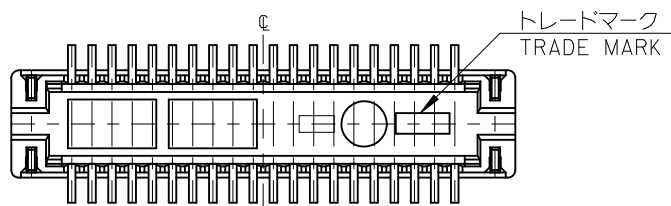
断开	否
回路数（已载入）	44
电路数（最多）	44
颜色-树脂	黑色
耐用性(插拔次数) - 最多次数	30
符合灼热丝规范	否

锁定插接部位	是
插配长度	1. 50mm
插配宽度	3. 40mm
材料 - 金属	Brass
材料 - 接合部位电镀	金牌
材料 - 终端电镀	金牌
净重	41. 510/mg
行数	2
方向	垂直
包装形式	Embossed Tape on Reel
PCB 定位器	否
PCB 保持力	是
间距 - 插配接口	0. 40mm
间距 - 终端界面	0. 40mm
运行温度范围	-40° to +105° C
终端界面类型	Surface Mount

可配插/可连接使用的产品

可配插部件

描述	产品编号
0. 40mm Pitch Vertical SlimStack Receptacles	<u>51338</u>



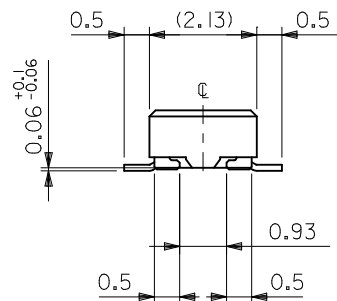
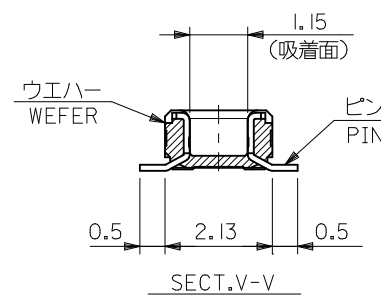
注記 NOTES:

I. 使用材料 MATERIAL

ウエハー：液晶ポリマー（LCP）ガラス充填 UL94V-0（黒）
 WAFER: LIQUID CRYSTAL POLYMER (GLASS FILLED)
 UL94V-0 (COLOR: BLACK)
 ピン：黄銅（ $t=0.12$ ）
 PIN: BRASS ($t=0.12$)
 金具：リン青銅（ $t=0.2$ ）
 FITTING NAIL: PHOSPHOR BRONZE ($t=0.2$)

2. メッキ仕様 PLATING

ピン PIN
金メッキ 0.2 マイクロメートル以上 (コンタクト部)
GOLD 0.2MICROMETER MINIMUM (CONTACT AREA)
金メッキ 0.4 マイクロメートル以下 (テール部)
GOLD 0.4MICROMETER MAXIMUM (TAIL AREA)
下地メッキ : ニッケルメッキ 1.5 マイクロメートル以上
UNDER PLATING : NICKEL 1.5MICROMETER MINIMUM
金具 FITTING NAIL
鍍メッキ 1.0 マイクロメートル以上
TIN PLATING 1.0MICROMETER 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



14.0	12.4	14.8	55909-6472	64
12.0	10.4	12.8	55909-5472	54
10.0	8.4	10.8	55909-4472	44
3.2	1.6	4.0	55909-9872	10
C	B	A	EMBOSSD TAPE PKG	極数 CIRCUIT
			ORDER No. オーダー番号	

CONNECTOR SERIES No.: 55909-**73

DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
------------------------	---------------------------

0.4 B-TO-B CONN. PLUG
ASSY (HGT=1.5) WITH NAIL



MOLEX INCORPORATED

SD-55909-005

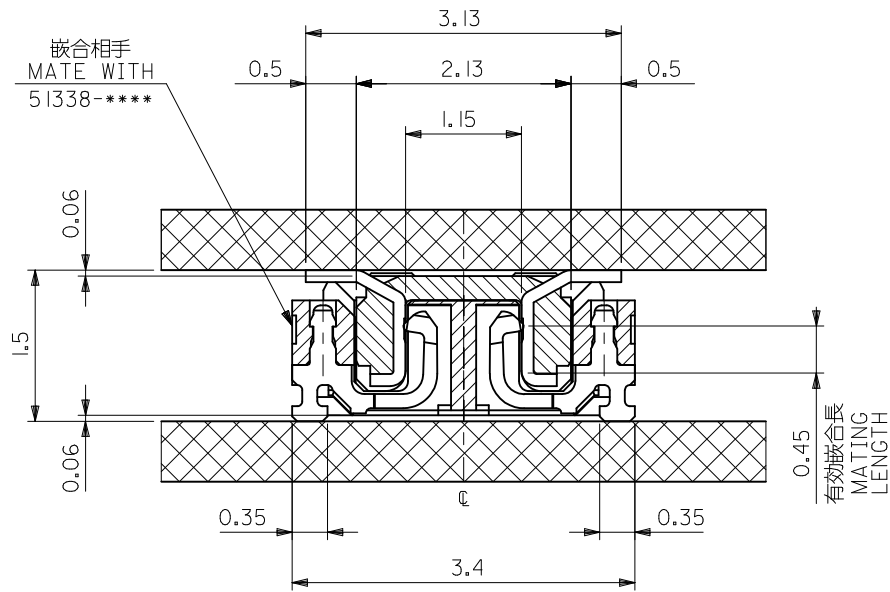
SHEET NO.

1 OF 2

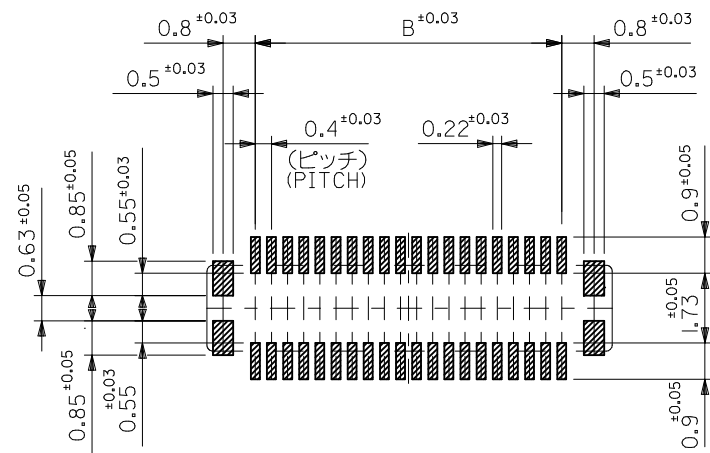
SEE TABLE

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

REVISED EC NO: J2010-2586 DRAWN: YON002 CHKD: S. MARUYAMA APPR: MSASAO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY Y. NUKANOBU	DATE 2010/01/25	TITLE 0.4 B-TO-B CONN. PLUG ASSY (HGT=1.5) WITH NAIL				
		10 OVER 30 UNDER	± 0.25	CHECKED BY S. MARUYAMA	DATE 2010/01/25					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2010/01/25					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			SEE TABLE		SD-55909-005		1 OF 2			
	REV		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			



嵌合断面図 (参考)
MATED DRAWING (REFERENCE)



参考基板レイアウト (マウント面)
P.W.BOARD PATTERN DIMENSION (REFERENCE)
(MOUNTING AREA)

REVISED	EC NO: J2010-2586 DRWN: YON002 CHKD: S. MARUYAMA APPR: MSASAO	DESCRIPTION 2010/06/24 2010/06/29 2010/06/29	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		CONNECTOR SERIES No.: 55909-**73	
			10 UNDER		DRAWN BY Y. NUKANOBU		DATE 2010/01/25		DESIGN UNITS METRIC	
			10 OVER 30 UNDER		CHECKED BY S. MARUYAMA		DATE 2010/01/25		THIRD ANGLE PROJECTION	
			30 OVER		APPROVED BY M. SASAO		DATE 2010/01/25		TITLE 0.4 B-T-O-B CONN. PLUG ASSY (HGT=1.5) WITH NAIL	
B	REV	DESCRIPTION	ANGULAR ±3 °		MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-55909-005		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

8

7

6

5

4

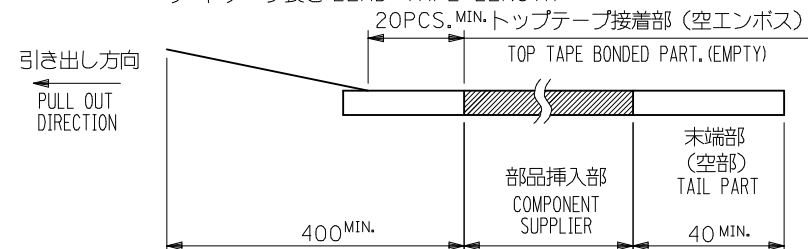
3

2

1

NOTES

- 製品詳細寸法については、SD-55909-005 を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING SD-55909-005.
- 梱包数量：2500個/リール
NUMBER OF CONNECTORS : 2500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



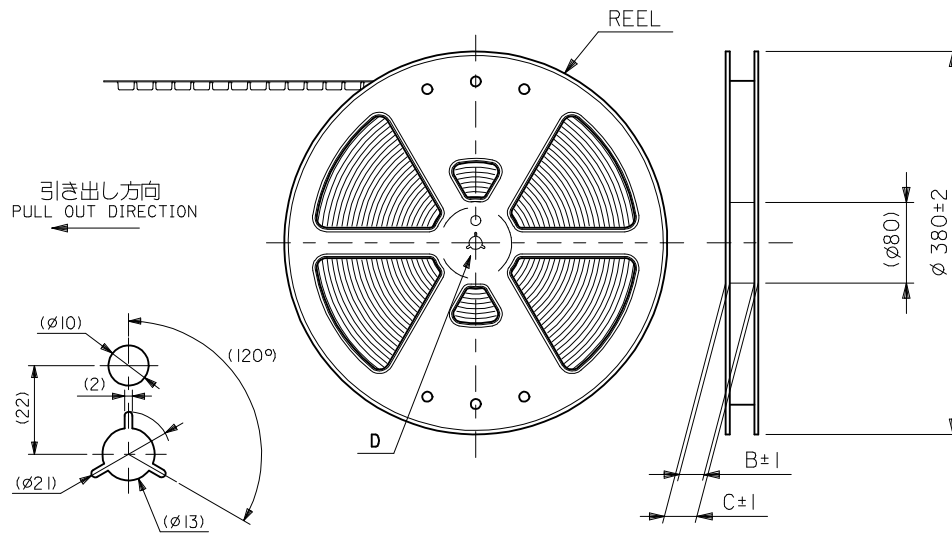
4.材料

キャリアテープ : PS
トップテープ : PS, OTHER
リール : PS<リサイクル材を含む>

MATERIAL

CARRIER TAPE : PS
TOP TAPE : PS, OTHER
REEL : PS <RECYCLE MATERIAL CONTAINED>

- 5.ELV 及び RoHS 適合品。
ELV AND RoHS COMPLIANT.



DETAIL D

REVISED EC NO.: J2015-0987 2015/01/28 DRWN:KMIYAHARA 2015/09/07 CHKD:KTANAKA03 2015/09/11 APPR:KMORIKAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
		0.25 UNDER	UNDER	± 0.03	DRAWN BY	DATE	TITLE 0.4 B-TO-B CONN PLUG ASSY(HGT=1.5) EMBSTP PKG					
		0.25 OVER	0.5 UNDER	± 0.05	YON002	2010/06/23						
		0.5 OVER	1.0 UNDER	± 0.1	CHECKED BY	DATE						
		1.0 OVER	10 UNDER	± 0.2	APPROVED BY		DATE	molex				
		10 OVER	30 UNDER	± 0.25	MSASAO		2010/06/29					
		30 OVER		± 0.3	MATERIAL NO.							
	ANGULAR ±3 °			SEE CHART		DOCUMENT NO. SD-55909-006			SHEET NO. 1 OF 3			
	B	REV	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					

9

8

7

6

5

4

3

2

1

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

E

D

C

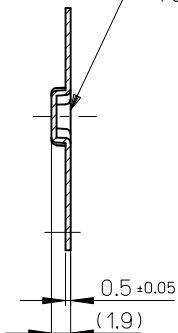
B

A

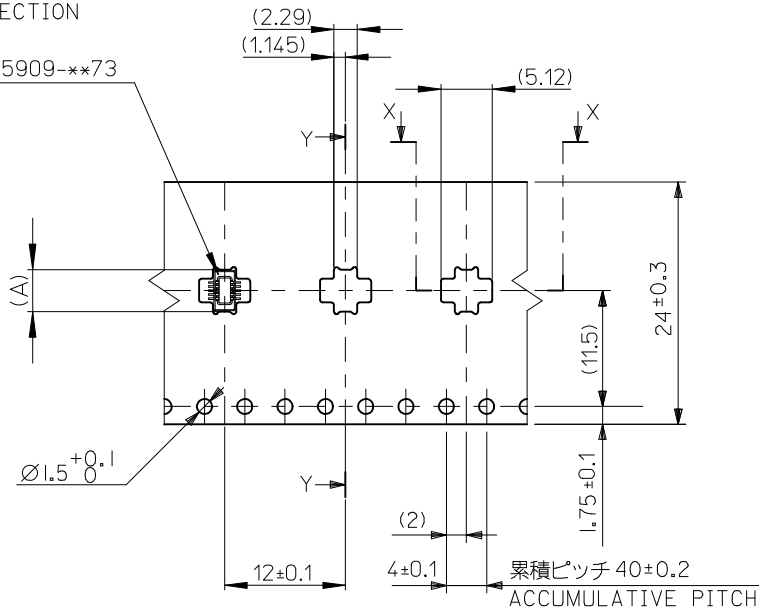
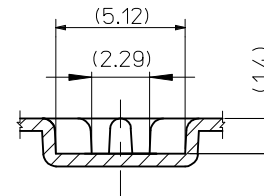
引き出し方向
PULL OUT DIRECTION

55909-**73

トップテープ
TOP TAPE



SECT. Y-Y



SECT. X-X

注記) 製品がポケット内に問題なく収まること。
NOTE. Pocket should contain product smoothly.

24	29.4	25.4	4.16	55909-9872	10
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	オーダー番号 ORDER NO.	極数 CIRCUITS

SEE SHEET 1 OF 3 EC NO.: J2015-0987 DRAWN: KMIYAHARA 2015/01/28 CHKD: KTANAKA03 2015/09/07 APPR: KMORIKAWA 2015/09/11	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		0.25	UNDER	UNDER	± 0.03	DRAWN BY	DATE	TITLE 0.4 B-T0-B CONN PLUG ASSY(HGT=1.5) EMBSTP PKG				
		0.25	OVER	0.5	UNDER	± 0.05	YON002					2010/06/23
		0.5	OVER	1.0	UNDER	± 0.1	CHECKED BY	DATE				
		1.0	OVER	10	UNDER	± 0.2	APPROVED BY	DATE	molex			
		10	OVER	30	UNDER	± 0.25	MSASAO	2010/06/29				
		30	OVER			± 0.3	MATERIAL NO.	DOCUMENT NO.				
	REV	ANGULAR ±3 °				SEE CHART		SD-55909-006		2 OF 3		
		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					

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

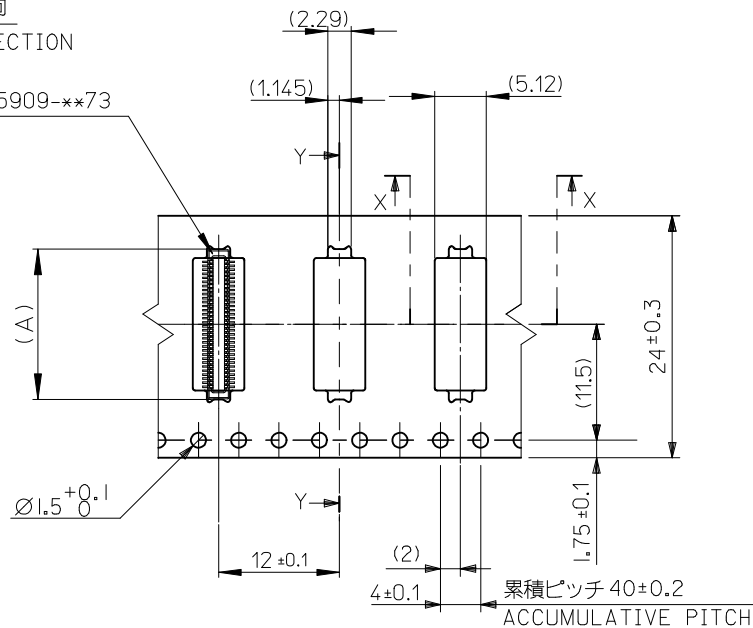
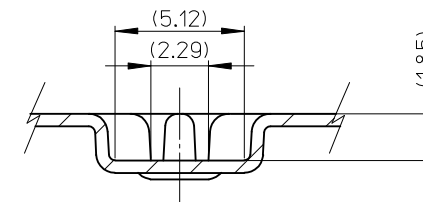
引き出し方向
PULL OUT DIRECTION

トップテープ
TOP TAPE

55909-**73

0.5±0.05
(2.6)

SECT. Y-Y



SECT. X-X

注記)製品がポケットに問題なく収まること。
NOTE. Pocket should contain product smoothly.

24	29.4	25.4	14.96	55909-6472	64
			12.96	55909-5472	54
			10.96	55909-4472	44
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	オーダー番号 ORDER NO.	極数 CIRCUITS

SEE SHEET 1 OF 3 EC NO.: J2015-0987 DRAWN BY: DRW:KMIYAHARA 2015/01/28 CHKD BY: KTANAKA03 2015/09/07 APPR: KMORIKAWA 2015/09/11	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
		0.25	UNDER	UNDER	±0.03	DRAWN BY	DATE	TITLE 0.4 B-T0-B CONN PLUG ASSY(HGT=1.5) EMBSTP PKG					
		0.25	OVER	0.5	UNDER	±0.05	YON002					2010/06/23	
		0.5	OVER	1.0	UNDER	±0.1	CHECKED BY	DATE					
		1.0	OVER	10	UNDER	±0.2	APPROVED BY	DATE					
		10	OVER	30	UNDER	±0.25	MSASAO	2010/06/29	molex				
		30	OVER		±0.3	MATERIAL NO.		DOCUMENT NO.					SHEET NO.
	REV	ANGULAR ±3 °				SEE CHART		SD-55909-006				3 OF 3	
		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						

9 8 7 6 5 4 3 2 1