

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5015270410

Status:

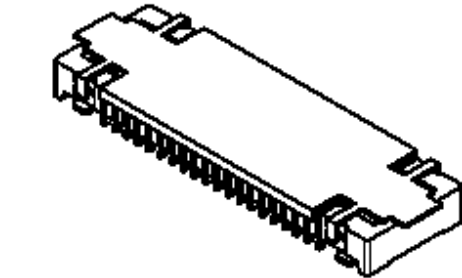
Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board Receptacle, SMT, Dual Row, Vertical, 1.30mm (.051") Stacking Height, With Solder Tabs, Without Metal Cover, 40 Circuits



Series
image - Reference only

Documents:

3D Model

Drawing (PDF)

Product Specification PS-501527-001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Receptacles
Series	501527
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™
Physical	
Circuits (Loaded)	40
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (in)	0.051 In
Mated Height (mm)	1.30 mm
Material - Metal	High Performance Alloy (HPA), Phosphor Bronze, Stainless Steel
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
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	
Product Specification	PS-501527-001, RPS-501527-004
Sales Drawing	SD-501527-003, SD-501527-004

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.

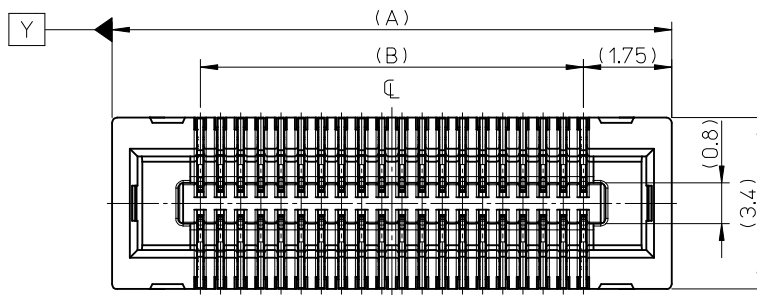
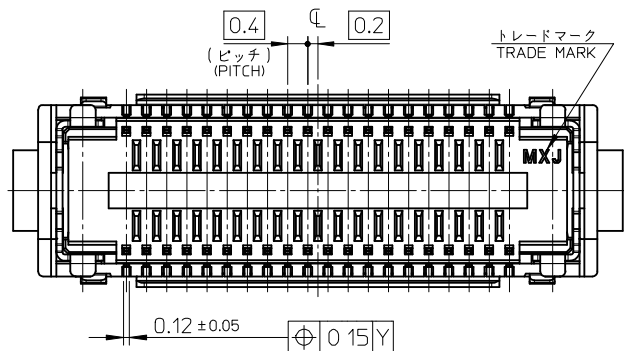
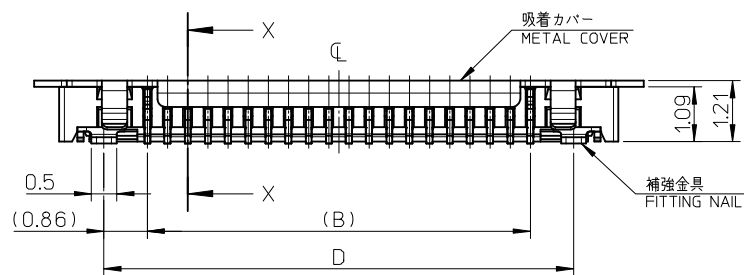
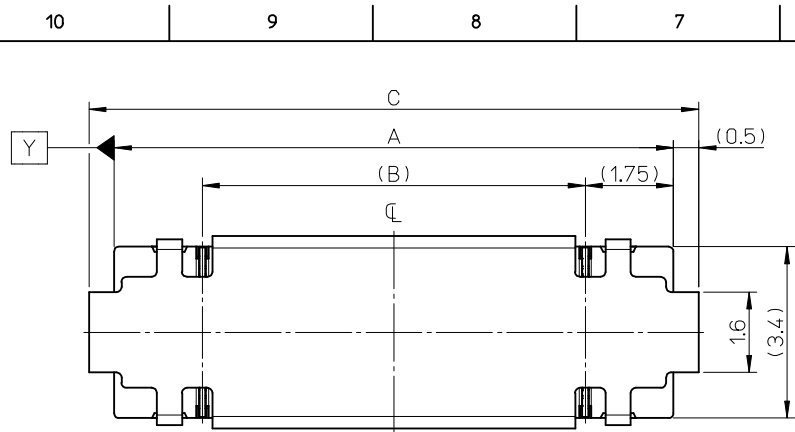
Search Parts in this Series

501527Series

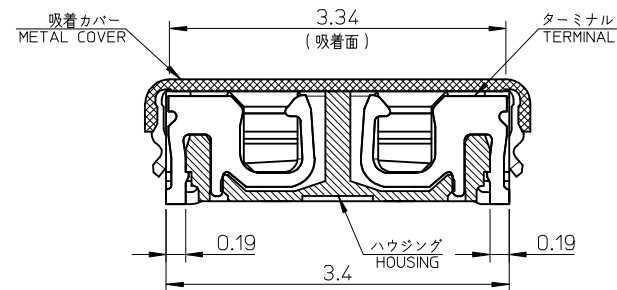
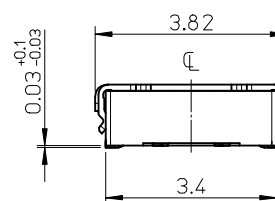
Mates With

501531 PCB Header

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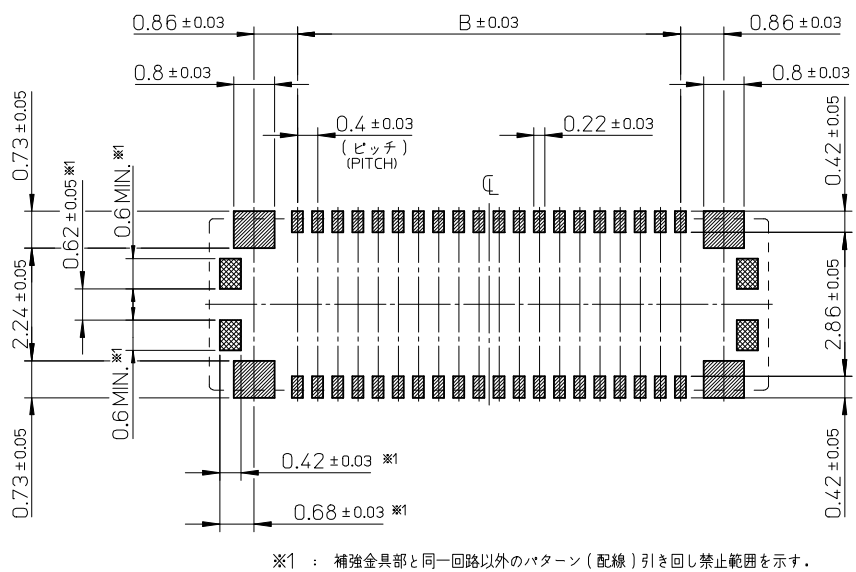
吸着カバー無し図 (参考)
WITHOUT METAL COVER
(REFERENCE)



SECTION X-X

19.32	22.1	17.6	21.1	501527-0930	501527-0939	90
17.32	20.1	15.6	19.1	501527-0830	501527-0839	80
11.32	14.1	9.6	13.1	501527-0530	501527-0539	50
9.32	12.1	7.6	11.1	501527-0430	501527-0439	40
8.12	10.9	6.4	9.9	501527-3430	501527-3439	34
7.72	10.5	6.0	9.5	501527-3230	501527-3239	32
7.32	10.1	5.6	9.1	501527-0330	501527-0339	30
5.32	8.1	3.6	7.1	501527-0230	501527-0239	20
D	C	B	A	EMBOSSD TAPE PKG.	MATERIAL No.	CKT.
				ORDER No. オーダー番号	MODEL No. : 501527-**-39	

REVISED EC NO.: J2009-0301 2008/08/27 DRWN: MABEI 2008/08/28 CHKD: THIRUYAMA 2008/08/28 APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY RTAKEUCHI	DATE 2005/10/25	TITLE 0.4 B-TO-B CONN. HGT=1.3 REC ASSY WITH COVER -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY THIRATA	DATE 2005/10/25					
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2005/10/25					
		ANGULAR ±3 °		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-501527-001		SHEET NO. 1 OF 2		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
	D	REV								

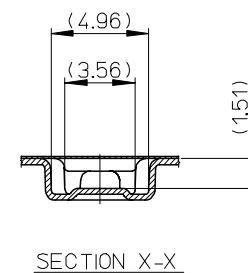


参考基板レイアウト (マウント面)
P.C.BOARD PATTERN DIMENSION. (REFERENCE)
(MOUNTING AREA)

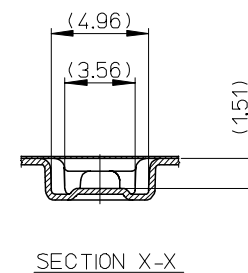
- 注記 NOTES
1. 使用材料 MATERIAL
- ハウジング：液晶ポリマー (LCP)、ガラス充填 UL94V-0 (黒)
HOUSING: LIQUID CRYSTAL POLYMER (GLASS FILLED) UL94V-0 (COLOR: BLACK)
- ターミナル：りん青銅 (t=0.12)
TERMINAL: PHOSPHOR BRONZE (t=0.12)
- 金具：コルソン銅 (t=0.12)
FITTING NAIL: CORSON TYPE COPPER ALLOY (t=0.12)
- 吸着カバー：ステンレス (t=0.12)
METAL COVER: STAINLESS (t=0.12)
2. メッキ仕様 PLATING
- ターミナル TERMINAL
- 金メッキ 0.2 マイクロメートル以上 (コンタクト部)
GOLD 0.2 MICROMETER MINIMUM (CONTACT AREA)
- 金メッキ 0.4 マイクロメートル以下 (テール部)
GOLD 0.4 MICROMETER 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 1.5 MICROMETER MINIMUM
- ※コンタクト部とテール部はニッケルメッキによって分断されている金メッキです。
DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.
- 金具 FITTING NAIL
- 半田付け処理 (金・パラジウムコート)
SOLDERABILITY IMPROVEMENT COAT (Au & Pd COAT)
- 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
- ③ (全極数 / 2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT / 2) = EVEN.
4. 嵌合相手： 501531 シリーズ
MATE WITH: 501531 SERIES.
5. テール平坦度は、0.08 以下
テール及び金具の平坦度は、0.1 以下
TAIL COPLANARITY TO BE 0.08 MAXIMUM.
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM.

REVISED EC NO: J2009-0301 2008/08/27 DRWN: MWABEJ 2008/08/28 CHKD: THARUYAMA 2008/08/28 APPR: NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY RTAKEUCHI	DATE 2005/10/25	TITLE 0.4 B-TO-B CONN. HGT=1.3 REC ASSY WITH COVER -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY THIRATA	DATE 2005/10/25				
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2005/10/25	 MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					DOCUMENT NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-501527-001			2 OF 2
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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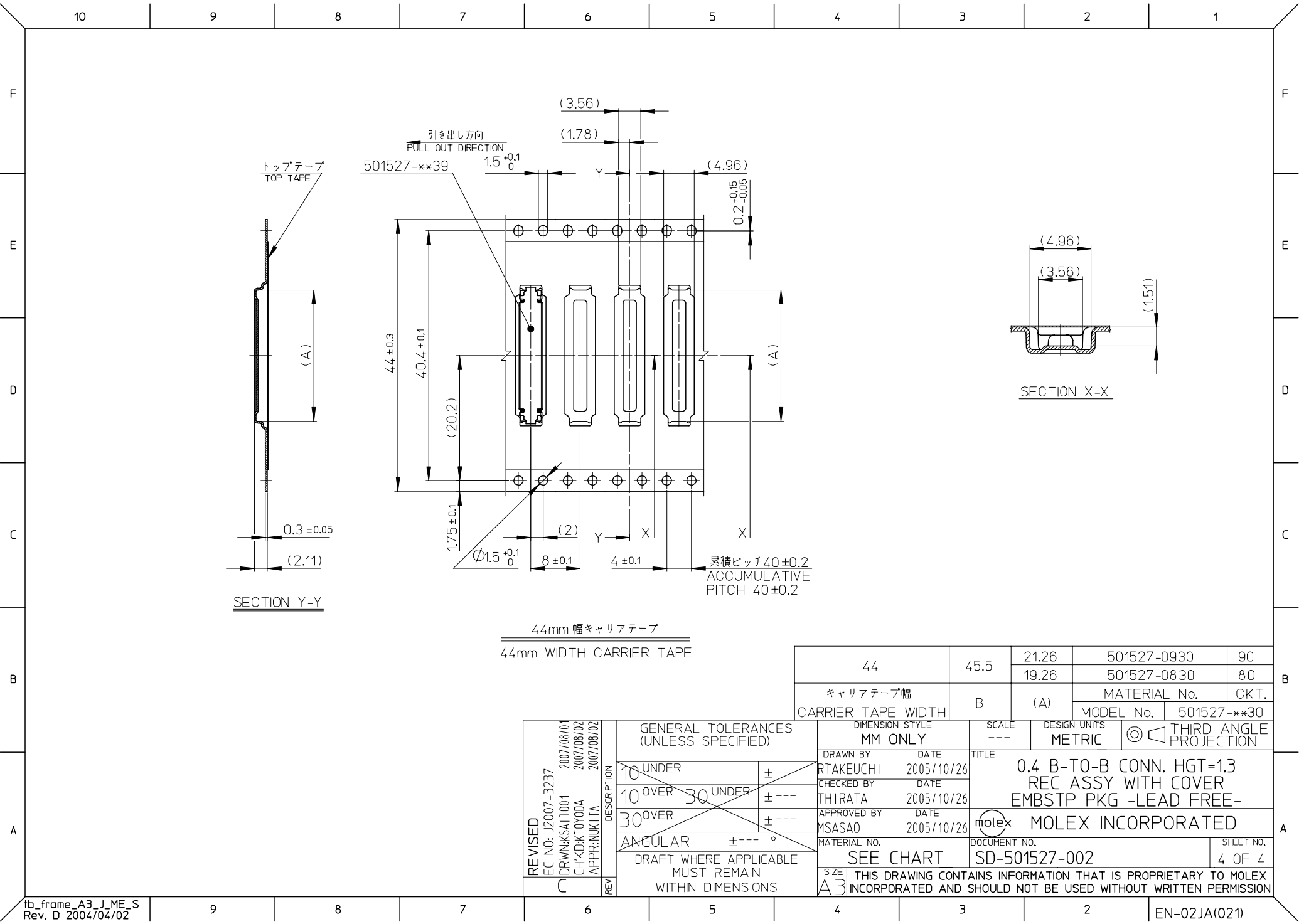


REVISED	EC NO: J2007-3237	2007/08/01	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
	DRWN:KAI T001	2007/08/02		10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2005/10/26	TITLE 0.4 B-TO-B CONN. HGT=1.3 REC ASSY WITH COVER EMBSTP PKG -LEAD FREE-				
	CHKD:K TOYODA	2007/08/02		10 OVER 30 UNDER	± ---	CHECKED BY THIRATA	DATE 2005/10/26	MOLEX MOLEX INCORPORATED				
	APPR:NUKITA	2007/08/02		30 OVER	± ---	APPROVED BY MSASAO	DATE 2005/10/26					
				ANGULAR	± --- °	MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-501527-002		2 OF 4		
			REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



SECTION X-X

REVISED	EC NO: J2007-3237 DRWN:KAT T001 CHKD:K TOYODA APPR:NUKITA	2007/08/01 2007/08/02 2007/08/02	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				10 UNDER	± ---	DRAWN BY RTAKEUCHI	DATE 2005/10/26	TITLE 0.4 B-TO-B CONN. HGT=1.3 REC ASSY WITH COVER EMBSTP PKG -LEAD FREE-		
				10 OVER 30 UNDER	± ---	CHECKED BY THIRATA	DATE 2005/10/26			
				30 OVER	± ---	APPROVED BY MSASAO	DATE 2005/10/26	 MOLEX INCORPORATED		
				ANGULAR	± --- °	MATERIAL NO.				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-501527-002		3 OF 4
REV	C			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



SECTION Y-Y

SECTION X-X

44mm 幅キャリアテープ
44mm WIDTH CARRIER TAPE

44	45.5	21.26	501527-0930	90
		19.26	501527-0830	80
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL No.	CKT.
			MODEL No.	501527-**30

REVISED EC NO: J2007-3237 DRW:KSAI T001 CHK:DKTOY00A APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± ---	RTAKEUCHI	2005/10/26	TITLE 0.4 B-TO-B CONN. HGT=1.3 REC ASSY WITH COVER EMBSTP PKG -LEAD FREE-			
		10 OVER 30 UNDER	± ---	CHECKED BY	DATE				
		30 OVER	± ---	THIRATA	2005/10/26	MOLEX INCORPORATED			
		APPROVED BY	DATE						
		MSASAO	2005/10/26	DOCUMENT NO. SD-501527-002					
		MATERIAL NO.					SHEET NO. 4 OF 4		
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							