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Part Number:

0546840804

Status:

Active

Description:

0.40mm (.016") Pitch Board-to-Board SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical Stacking, 3.50mm (.138") Stacking Height, 80 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-54684-006 (PDF)

Product Specification PS-54684-008 (PDF)

RoHS Certificate of Compliance (PDF)

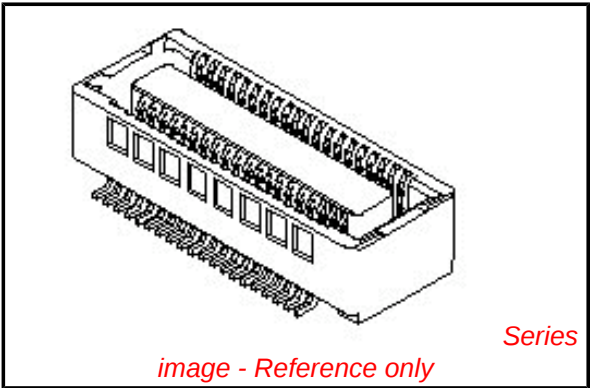
General	
Product Family	PCB Receptacles
Series	54684
Application	Board-to-Board
Product Name	SlimStack™
Physical	
Circuits (Loaded)	80
Color - Resin	Brown
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Mated Height (in)	0.138 In
Mated Height (mm)	3.50 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.016 In
Pitch - Mating Interface (mm)	0.40 mm
Plating min: Mating (µin)	4
Plating min: Mating (µm)	0.1
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Polarized to PCB	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-25°C to +105°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	0.3A
Voltage - Maximum	30V

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-54684-001
Product Specification	PS-54684-006, PS-54684-008, RPS-54684-013, RPS-54684-015
Sales Drawing	SD-54684-011, SD-54684-012



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](#)

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Search Parts in this Series

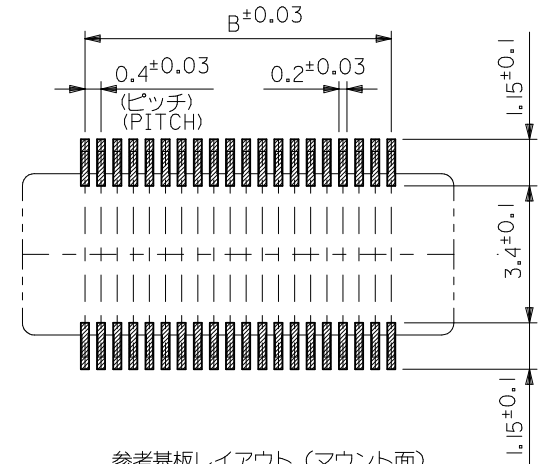
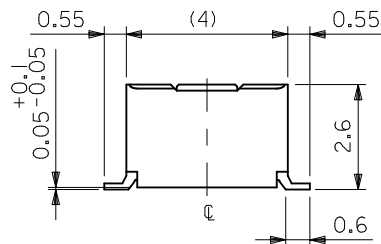
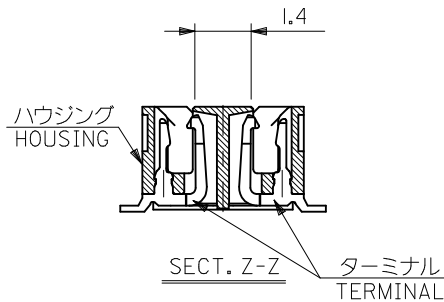
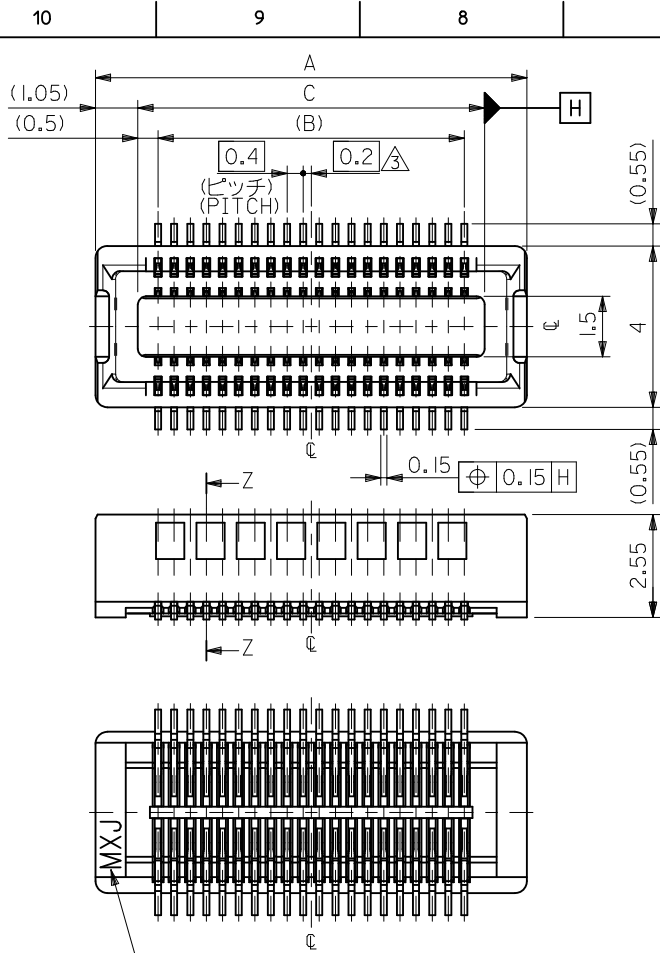
54684Series

Mates With

55526 PCB Header

This document was generated on 04/30/2010

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

注記 NOTES:

1. 使用材料 MATERIAL

ハウジング: 液晶ポリマー ガラス充填 UL94V-0 茶色
HOUSING: LIQUID CRYSTAL POLYMER
GLASS FILLED UL94V-0
COLOR BROWN

ターミナル: リン青銅 (t=0.15)
TERMINAL: PHOSPHOR BRONZE (t=0.15)

2. メッキ仕様 PLATING

金メッキ 0.10 マイクロメートル以上 (コンタクト部)
GOLD 0.10 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9。

DIVIDE INTO PARTS THE GOLD PLATING OF THE
CONTACT PART AND THE TAIL PART BY THE
NICKEL PLATING.

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

4. 嵌合相手: 55526シリーズ, 501017シリーズ。
MATE WITH: 55526 SERIES AND 501017 SERIES.
5. テール平坦度は 0.08MAX.
TAIL COPLANARITY TO BE 0.08MAX.

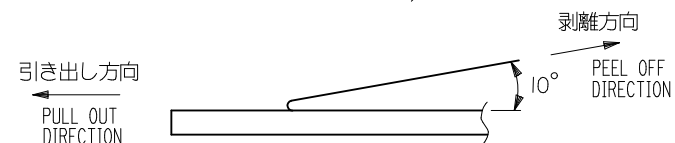
24.6	23.6	26.7	54684-1203	120
20.6	19.6	22.7	54684-1003	100
18.6	17.6	20.7	54684-0903	90
16.6	15.6	18.7	54684-0803	80
14.6	13.6	16.7	54684-0703	70
12.6	11.6	14.7	54684-0603	60
10.6	9.6	12.7	54684-0503	50
5.4	4.4	7.5	54684-0243	24
C	B	A	MATERIAL NO.	CIRCUIT

MODEL NO. 54684-***3

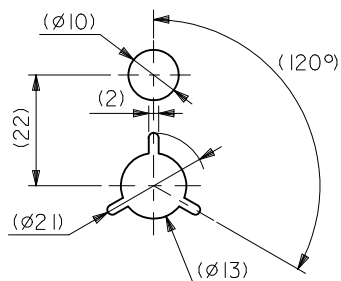
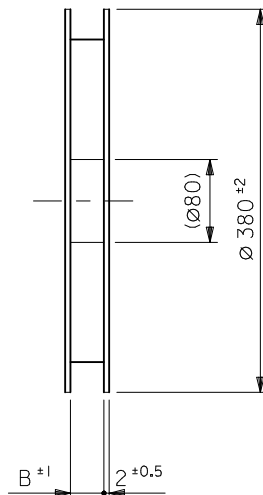
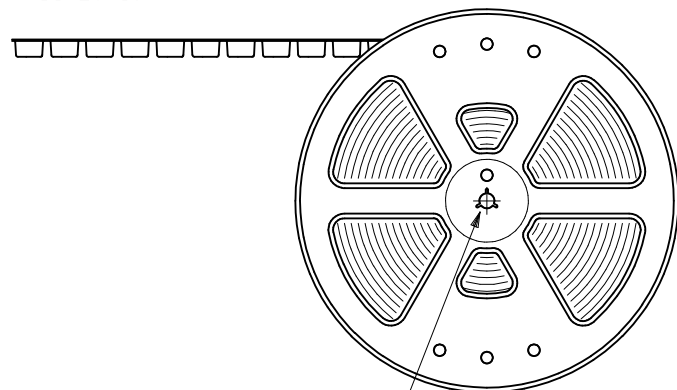
REVISED	EC NO: J2010-2361	2010/05/21	DRWN:MKATO	2010/05/24	CHKD:THIRATA	2010/06/09	APPR:MSASAO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
									10 UNDER	±0.2	DRAWN BY T. KAIHO	DATE 2003/07/15	TITLE 0.4BB CONN.REC HSGASSY NO BOSS NI BARRIER -LEAD FREE-			
									10 OVER 30 UNDER	±0.25	CHECKED BY T. ITO	DATE 2003/07/15				
									30 OVER	±0.3	APPROVED BY T. YAMAGU	DATE 2003/07/15	MOLEX INCORPORATED			
									ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54684-011		1 OF 1	
D	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

-
- 20PCS. MIN. トップテープ接着部 (空エンボス)
 TOP TAPE BONDED PART. (EMPTY)
- 引き出し方向
 PULL OUT DIRECTION
- 400 MIN.
- 部品挿入部
 COMPONENT SUPPLIER
- 末端部 (空部)
 TAIL PART (EMPTY)
 40 MIN.

- 尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N ~ 0.7N(10.2gf ~ 71.4gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



5. 材料(MATERIAL)
 キャリアテープ(CARRIER TAPE): ポリプロピレン(POLYPROPYLENE)
 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>
 POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>

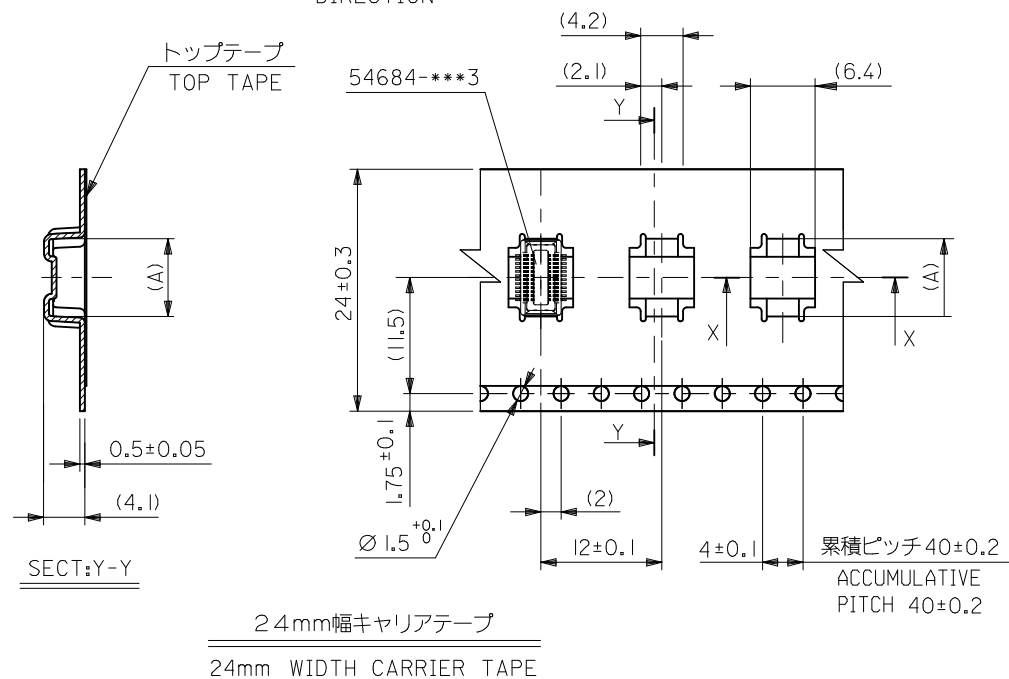


DETAIL "F"

REVISED	EC NO: J2010-2361	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	MODEL NO. 54684-***4
	DRWN:MKATO		10 UNDER	± 0.2	T. KAIHO	2003/07/15	TITLE 0.4BB CON.EMBSTP PKG FOR 54684-***3 -LEAD FREE-			
	CHKD:THIRATA		10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE				
	APPR:MSASAO		30 OVER	± 0.3	T. ITO	2003/07/15				
	REV			ANGULAR	± 3 °	APPROVED BY	DATE	 MOLEX INCORPORATED		SHEET NO. 1 OF 4
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		T. YAMAGU	2003/07/15					
					MATERIAL NO.		DOCUMENT NO.	SD-54684-012		
					SEE CHART					
					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

引き出し方向
PULL OUT
DIRECTION

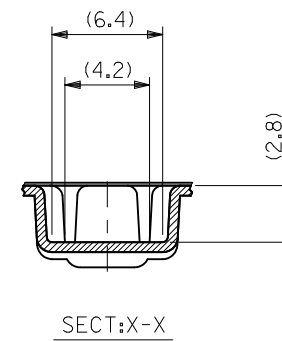
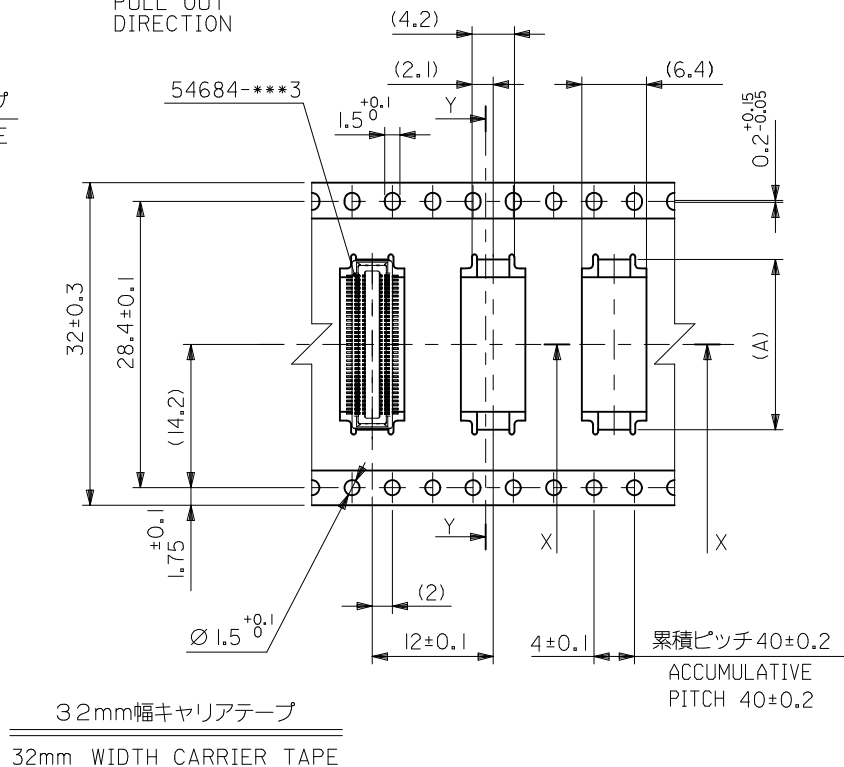
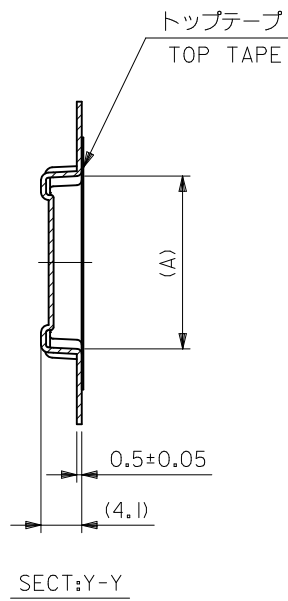


24	25.5	7.7	54684-0244	24
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	極数 CKT.
			MODEL NO.	54684-***4

REVISED EC NO: J2010-2361 DRWN:MKATO CHKD:THIRATA APPR:MSASAO REV	DESCRIPTION 2010/05/21 2010/05/24 2010/06/09	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	T. KAIHO	2003/07/15	TITLE 0.4BB CON.EMBSTP PKG FOR 54684-***3 -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	T. ITO	2003/07/15				
		30 OVER	± 0.3	T. YAMAGU	2003/07/15				MOLEX INCORPORATED
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54684-012			2 OF 4
				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

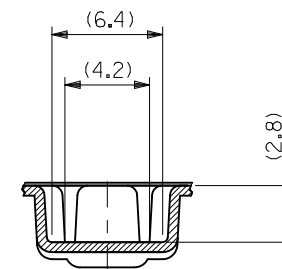
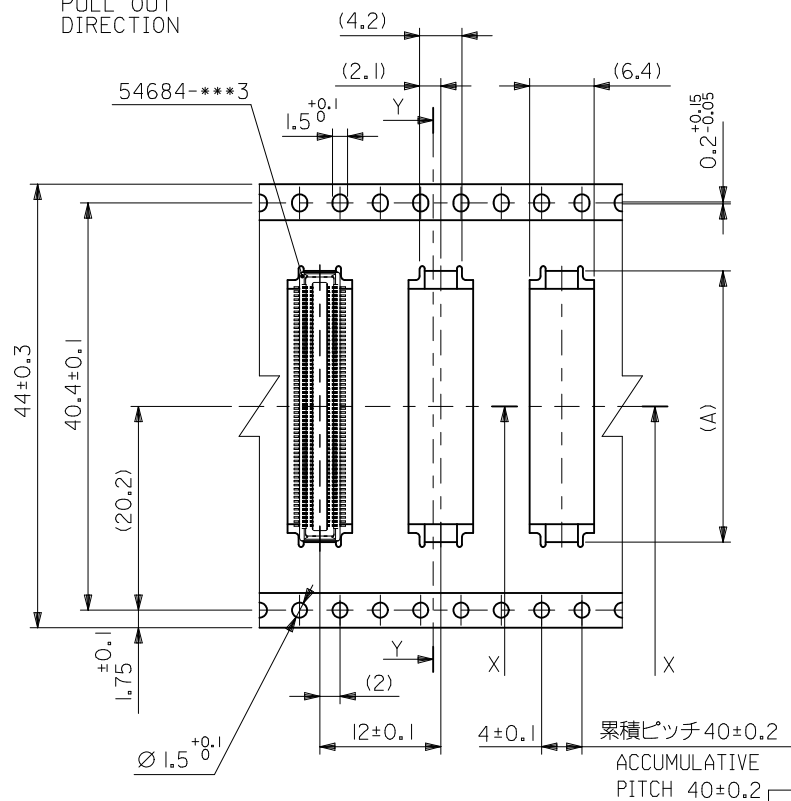
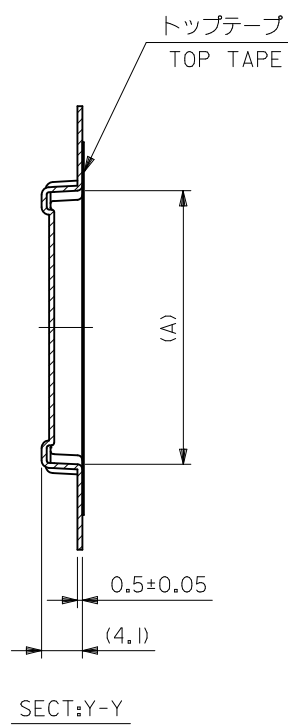
引き出し方向
PULL OUT
DIRECTION



32	33.5	20.9	54684-0904	90
		18.9	54684-0804	80
		16.9	54684-0704	70
		14.9	54684-0604	60
		12.9	54684-0504	50
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO: J2010-2361 DRWN:MKATO CHKD:THIRATA APPR:MSASAO 2010/05/21 2010/05/24 2010/06/09	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	T.KAIHO	2003/07/15	TITLE 0.4BB CON.EMBSTP PKG FOR 54684-***3 -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	T. ITO	2003/07/15				
		30 OVER	± 0.3	T. YAMAGU	2003/07/15	DOCUMENT NO. SD-54684-012			
		ANGULAR ±3 °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SHEET NO. 3 OF 4			
	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

引き出し方向
PULL OUT
DIRECTION

SECT:X-X

44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

44	45.5	26.9	54684-1204	120
		22.9	54684-1004	100
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	極数 CKT.

MODEL NO. 54684-***4

DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

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	
DRAWN BY	DATE
T.KAIHO	2003/07/15
CHECKED BY	DATE
T.ITO	2003/07/15
APPROVED BY	DATE
T.YAMAGU	2003/07/15
MATERIAL NO.	

SCALE ---	TITLE
0.4BB CON.EMBSTP PKG FOR 54684-***3 -LEAD FREE-	
MOLEX INCORPORATED	
DOCUMENT NO.	SHEET NO.
SD-54684-012	4 OF 4

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

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