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Part Number:

0550911274

Status:

Active

Overview:

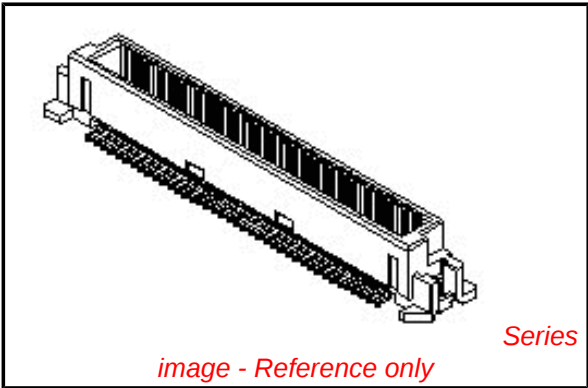
slimstack_0635mm_025_pitch

Description:

0.635mm (.025") Pitch SlimStack™ Header, Surface Mount, Dual Row, Vertical Stacking, 6.00 and 12.00mm (.236 and .472") Stacking Heights, Black, Lead-free, 120 Circuits, Robotic Placement Metal Cap, with Embossed Tape on Reel Packaging

Documents:	
3D Model	Product Specification PS-52760-015 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
UL	E29179
General	
Product Family	PCB Headers
Series	55091
Application	Board-to-Board
Comments	Stacking-Type
Overview	slimstack_0635mm_025_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	120
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Mated Height (in)	0.236 In, 0.472 In
Mated Height (mm)	12.00 mm, 6.00 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.025 In
Pitch - Mating Interface (mm)	0.64 mm
Polarized to PCB	Yes
Robotic Placement	Metal Cap
Stackable	No
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	0.5A
Voltage - Maximum	100V
Material Info	
Reference - Drawing Numbers	
Packaging Specification	SPK-55091-001
Product Specification	PS-52760-015, RPS-52760-022, RPS-52760-029, RPS-52901-012



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](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

55091Series

Mates With

SlimStack™ Receptacle [52760](#) , [52837](#) , [52885](#) , [52901](#)

This document was generated on 05/27/2010

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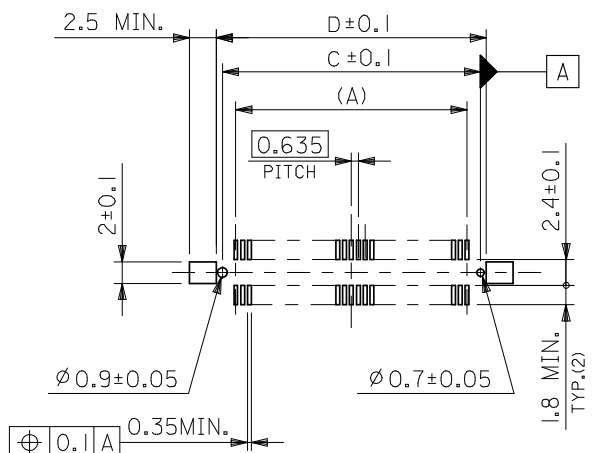
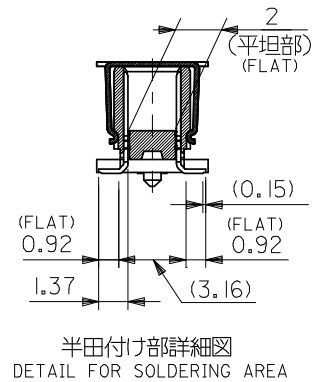
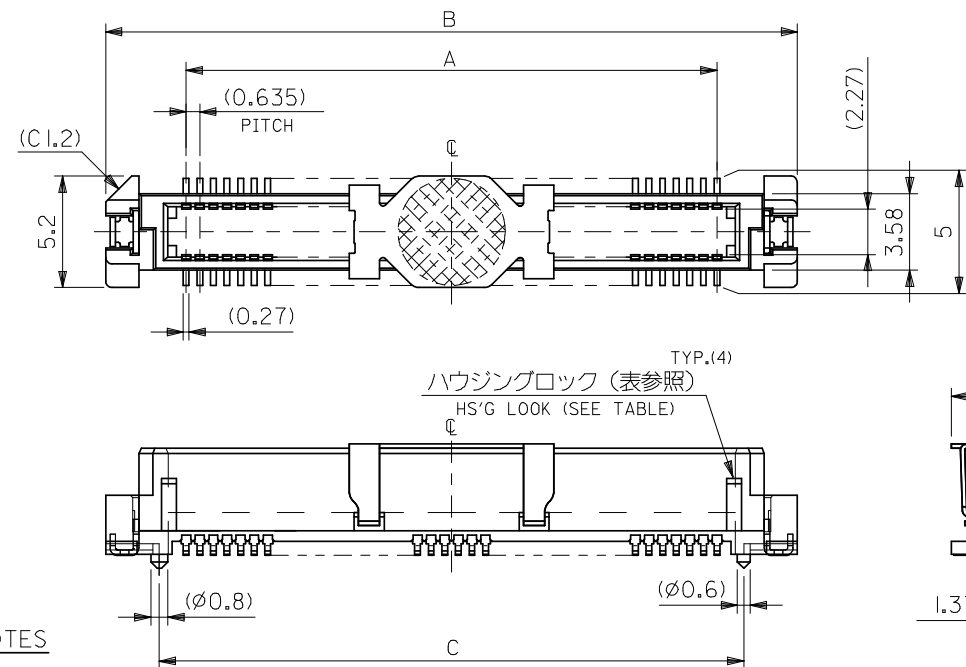
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注) NOTES

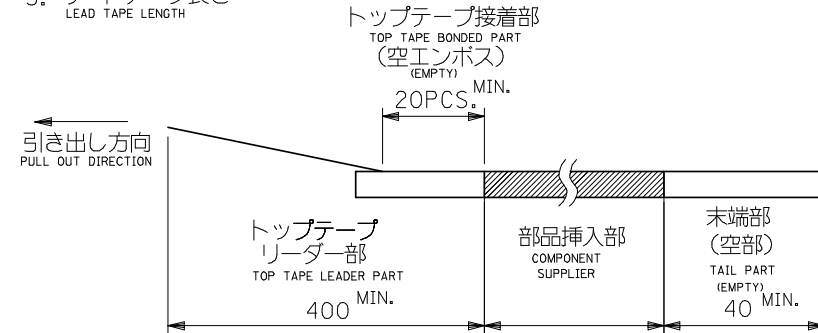
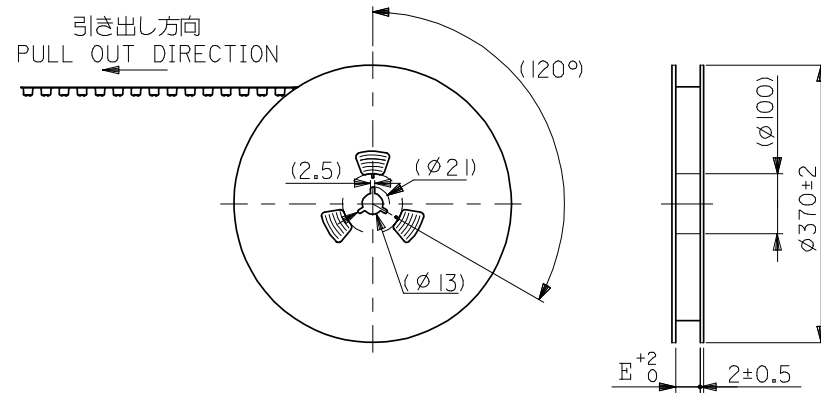
- 材質 MATERIAL
ハウジング : ガラス入りLCP、黒色、UL94V-0
HOUSING: LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, BLACK, UL94V-0
ターミナル : 銅合金 (t=0.2)
TERMINAL: COPPER ALLOY
吸着力バー : ステンレス (t=0.2)
VACUUM COVER: STAINLESS STEEL
補強金具 : 銅合金 (t=0.25)
FITTING NAIL: COPPER ALLOY
- メッキ仕様 PLATING
ターミナル : 接点部 : 金メッキ 0.25 マイクロメートル以上。
TERMINAL CONTACT AREA : GOLD 0.25 MICROMETER MINIMUM.
半田付け部 : 錫メッキ 1.0 マイクロメートル以上。
SOLDER TAIL AREA : TIN 1.0 MICROMETER MINIMUM.
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.
補強金具 : 錫メッキ 1.0 マイクロメートル以上。
FITTING NAIL TIN 1.0 MICROMETER 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 1.0 MICROMETER MINIMUM.
- テールのバラツキ寸法 TAIL COPLANARITY
テール及び金具の平坦度は、0.1以下とする。
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM.
- エンボス対応済みの極数については、SD-55091-007を参照下さい。
FOR THE EMBOSSED PACKAGE PRODUCTS, SEE SD-55091-007.
- 本製品は55091-***2の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 55091-***2.

無し NO	79.17	78.07	83.07	75.565	—	55091-2475	55091-2472	240	○
	66.47	65.37	70.37	62.865	—	-2075	-2072	200	○
	60.12	59.02	64.02	56.515	—	-1875	-1872	180	○
	53.77	52.67	57.67	50.165	55091-1674	-1675	-1672	160	○
	47.42	46.32	51.32	43.815	55091-1474	-1475	-1472	140	○
	41.07	39.97	44.97	37.465	55091-1274	-1275	-1272	120	○
	34.72	33.62	38.62	31.115	55091-1074	-1075	-1072	100	○
	31.55	30.45	35.45	27.94	55091-0974	-0975	-0972	90	○
	28.37	27.27	32.27	24.765	55091-0874	-0875	-0872	80	○
	25.2	24.1	29.1	21.59	55091-0774	-0775	-0772	70	○
有り YES	24.56	23.46	28.46	20.955	—	-6875	-6872	68	○
	22.02	20.92	25.92	18.415	55091-0674	-0675	-0672	60	○
	18.85	17.75	22.75	15.24	55091-0574	-0575	-0572	50	○
	15.67	14.57	19.57	12.065	55091-0474	-0475	-0472	40	○
	12.5	11.4	16.4	8.89	55091-0374	-0375	-0372	30	○
	9.32	8.22	13.22	5.715	55091-0274	55091-0275	55091-0272	20	○
ハウジングロック HS'G LOCK	D	C	B	A	エンボス梱包 EMBOSSED PACKAGING	スティック梱包 STICK PACKAGING	製品番号 MATERIAL NO.	極数 CKT. NO.	量産対応 AVAILABLE
					ORDER No. オーダー番号				

REVISED EC NO: J2009-0365 DRWN:WABEI CHK'D:THARUYAMA APPR:NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY H. KAWABATA	DATE '04/03/05	TITLE 0.635 PITCH B-TO-B PLUG HS'G COVER ASS'Y -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE '04/03/05					
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE '04/03/05	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.			SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-55091-006			1 OF 1	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

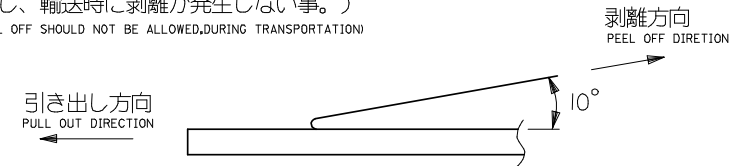
注)
NOTES

1. 製品番号 5509-**-72 の詳細寸法については、SD-5509I-006 を参照下さい。
IN THE PACKAGE, PART NO. 5509I-**-72 DETAILED DIMENSIONS, SEE SD-5509I-006.
 2. 梱包数量 : 1000 個/リール
NUMBER OF CONNECTORS : 1000 PCS/REEL
 3. リードテープ長さ
LEAD TAPE LENGTH
- トップテープ接着部



4. トップテープの剥離強度：(剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0.1~1.3N {10~130gf}

尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED,DURING TRANSPORTATION)



5. 材料
MATERIAL
キャリアテープ : ポリプロピレン (PP)
CARRIER TAPE : POLYPROPYLENE (PP)
トップテープ : PET, PE, PEF
TOP TAPE : PET, PE, PEF
リール : 紙
REEL : CARD BOARD

6. 本製品は55091-***4の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 55091-***4.

REVISED	EC NO.: J2009-0365	DRWN:NABEI	2008/08/06	CHK'D:THARYAMA	2008/08/07	APPR:NUKITA	2008/08/07	DESCRIPTION	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		SCALE	DESIGN UNITS	MODEL NO.		55091-***74	
											MM ONLY		---	METRIC			THIRD ANGLE PROJECTION	
											DRAWN BY	DATE	55091-***72 TAPING PACKAGE -LEAD FREE-					
											KAWABATA	'04/03/05						
											CHECKED BY	DATE	MOLEX MOLEX INCORPORATED					
											KT0JO	'04/03/05						
											APPROVED BY	DATE	SEE SHEET 2.3					
MSASAO	'04/03/05																	
MATERIAL NO.		DOCUMENT NO.				SHEET NO.												
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				1 OF 3												

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引き出し方向
PULL OUT DIRECTION

Y

12±0.1

(6.2)
(5.5)

D

A

C

56巾テープ
56 WIDTH TAPE

44巾テープ
44 WIDTH TAPE

32巾テープ
32 WIDTH TAPE

24巾テープ
24 WIDTH TAPE

トップテープ
TOP TAPE

コネクタ中心
ø OF CONNECTOR

B

A

1.75±0.1

Y

Ø1.5^{+0.1}₋₀

(5.2)

(2)

4±0.1

累積ピッチ : 40±0.2

ACCUMULATIVE

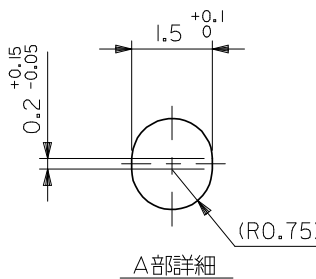
PITCH : 40±0.2

(0.6)

7±0.3

55091-**72
CONNECTOR

断面 Y-Y
SECTION Y-Y



	56.4	52.4	56 ^{+0.3}	26.2	38.9	55091-1074	100	○	
					35.8	↑ -0974	90	○	
	44.4	40.4	44 ^{+0.3}	20.2	32.6	↑ -0874	80	○	
					29.4	↑ -0774	70	○	
					28.8	↑ -6874	68	—	
					26.2	↑ -0674	60	○	
					23.1	↑ -0574	50	○	
	32.4	28.4	32 ^{+0.3}	14.2	19.9	↓ -0474	40	○	
					16.7	↓ -0374	30	○	
55091-**74	24.4	—#—	24 ^{+0.3}	11.5	13.5	55091-0274	20	○	
MODEL NO	E	D	C	キャリアテープ幅 CARRIER TAPE WIDTH	B	A	MATERIAL NO.	極数 NO. OF CKTS	量産対応 AVAILABLE

REVISED
EC NO: J2009-0365
DRWN:WABEI
CHKD:THARUYAMA
APPR:NUKITA

DESCRIPTION
2008/08/06
2008/08/07
2008/08/07

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
KAWABATA '04/03/05
CHECKED BY DATE
KTOJO '04/03/05
APPROVED BY DATE
MSASAO '04/03/05
MATERIAL NO.
SEE TABLE
SIZE
A3

SCALE

TITLE
55091-**72 TAPING
PACKAGE
-LEAD FREE-
molex MOLEX INCORPORATED
DOCUMENT NO.
SD-55091-007
SHEET NO.
2 OF 3

DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION

10 9 8 7 6 5 4 3 2 1

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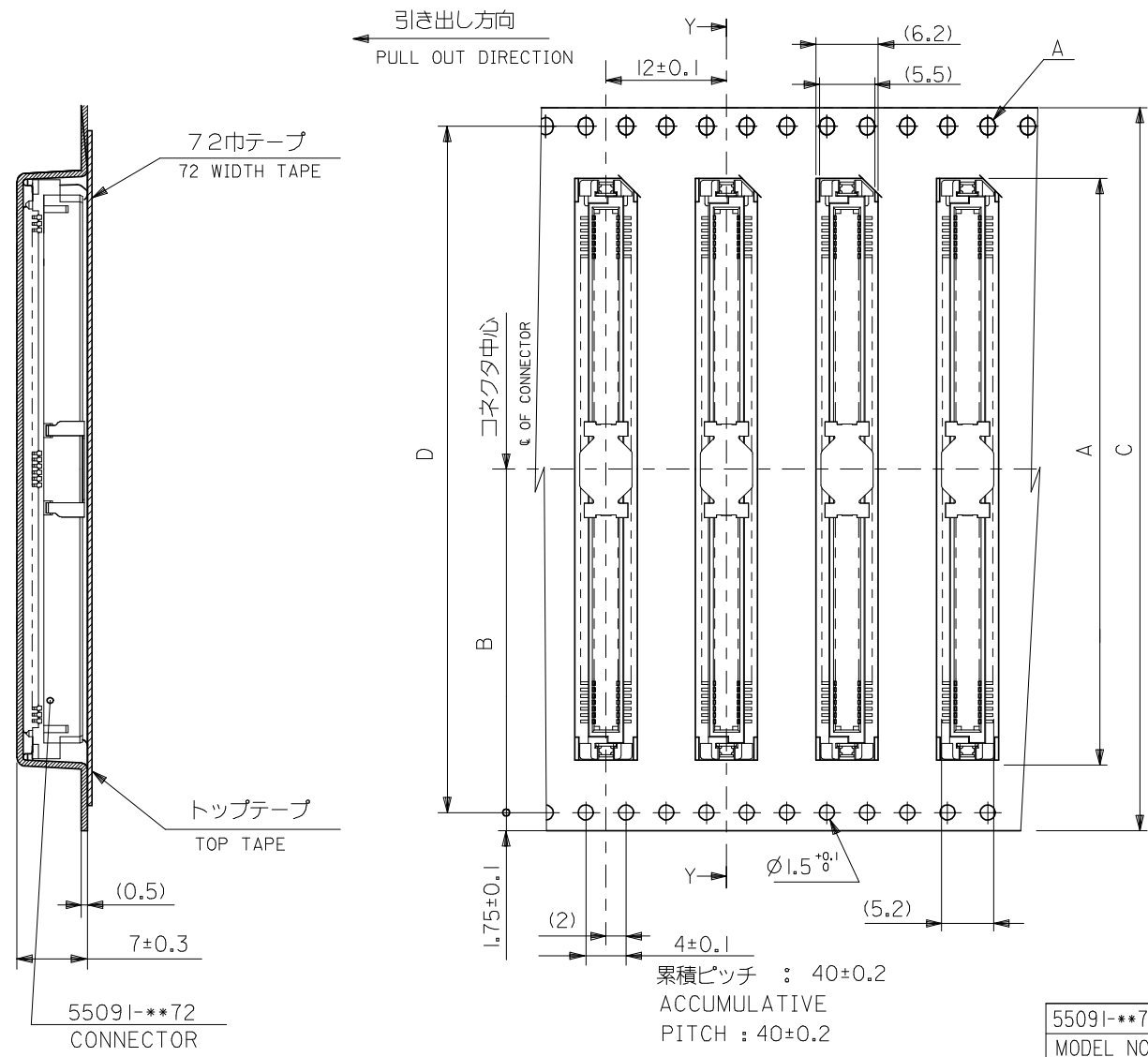
E

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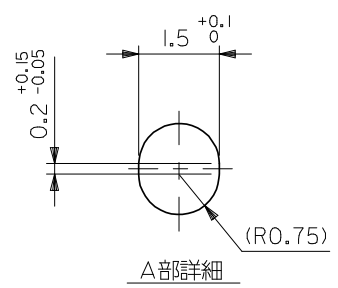
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断面 Y-Y
SECTION Y-Y



累積ピッチ : 40 ± 0.2
ACCUMULATIVE
PITCH : 40 ± 0.2

55091-**74
MODEL NO.

72.4	68.4	72 ± 0.3	34.2	58.0	55091-1674	160	○
				51.6	55091-1474	140	○
				45.3	55091-1274	120	○
CARRYER TAPE WIDTH (B)				(A)	MATERIAL NO.	極数 NO. OF CKTS.	量産対応 AVAILABLE

REVISED EC NO: J2009-0365 DRWN:WABEI CHKD:THARUYAMA APPR:NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY KAWABATA	DATE '04/03/05	55091-**72 TAPING PACKAGE -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTOJO	DATE '04/03/05					
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE '04/03/05	MOLEX MOLEX INCORPORATED				
		ANGULAR	± 3 °	MATERIAL NO.	DOCUMENT NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-55091-007				
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					