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Part Number:

0550910274

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, 20 Circuits, Robotic Placement Metal Cap, with Embossed Tape on Reel Packaging

Documents:

3D Model

Drawing (PDF)

Product Specification PS-52760-015 (PDF)

RoHS Certificate of Compliance (PDF)

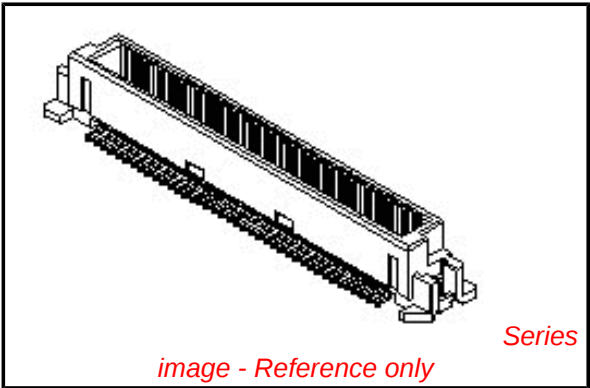
Agency Certification	
UL	E29179
General	
Product Family	PCB Headers
Series	55091
Application	Board-to-Board
Comments	Stacking-Type
MolexKits	Yes
Overview	slimstack_0635mm_025_pitch
Product Name	SlimStack™

Physical	
Breakaway	No
Circuits (Loaded)	20
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
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



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

Halogen-Free

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](#)

Product Specification

Sales Drawing

PS-52760-015, RPS-52760-017, RPS-52760-018,
RPS-52760-020, RPS-52760-021, RPS-52760-022,
RPS-52760-029, RPS-52901-012
SD-55091-006, SD-55091-007

This document was generated on 06/07/2010

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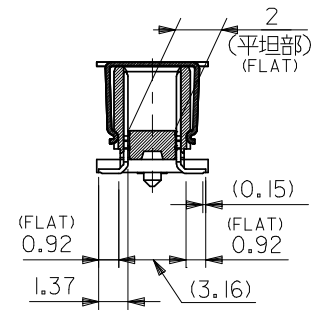
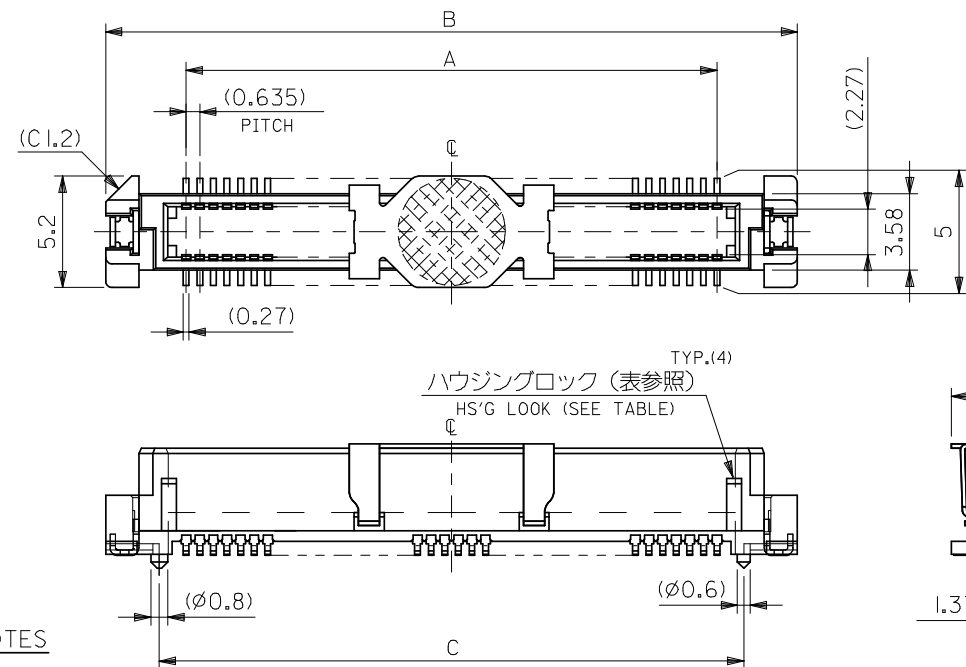
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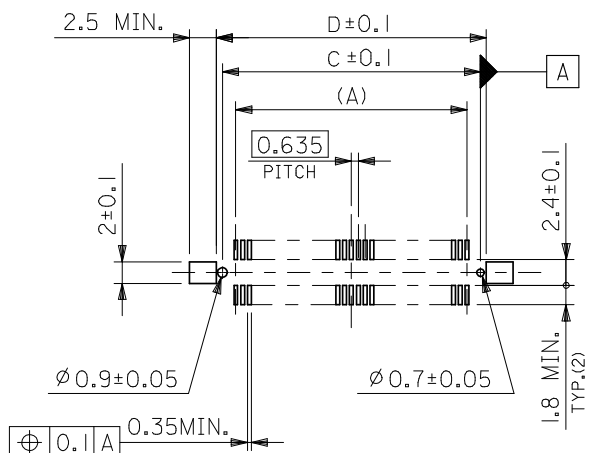
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半田付け部詳細図
DETAIL FOR SOLDERING AREA



推奨基板寸法
RECOMMENDED PCB PATTERN LAYOUT

注) NOTES

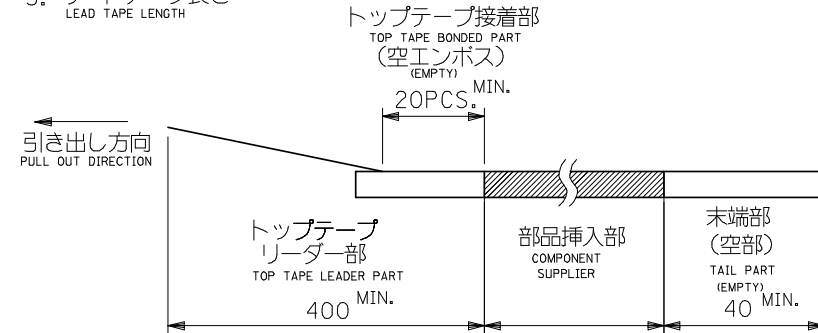
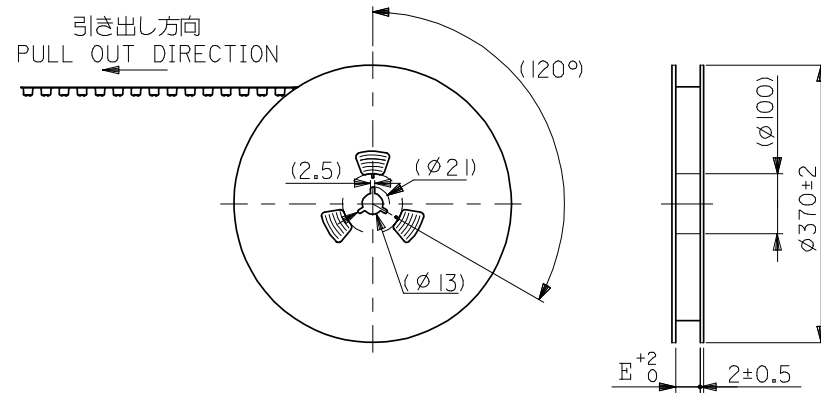
- 材質
MATERIAL
ハウジング : ガラス入りLCP、黒色、UL94V-0
HOUSING: LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, BLACK, UL94V-0
ターミナル : 銅合金 (t=0.2)
TERMINAL: COPPER ALLOY
吸着力バー : ステンレス (t=0.2)
VACUUM COVER: STAINLESS STEEL
補強金具 : 銅合金 (t=0.25)
FITTING NAIL: COPPER ALLOY
- メッキ仕様
PLATING
ターミナル : 接点部 : 金メッキ 0.25 マイクロメートル以上。
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	○
ハウジングブロック 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 REV	DESCRIPTION	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						

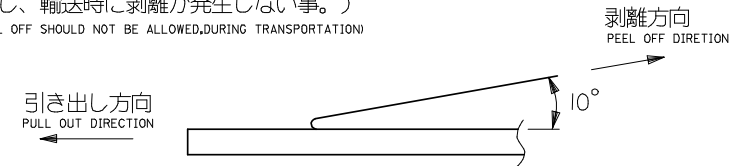
注)
NOTES

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	2008/08/06	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
	DRWN:NNBEI	2008/08/07				MM ONLY		---	METRIC	THIRD ANGLE PROJECTION		
	CHK'D:THARYAMA	2008/08/07				DRAWN BY	DATE	TITLE				
	APPR:NUKITA	2008/08/07				KAWABATA	'04/03/05					
						CHECKED BY	DATE	55091-***72 TAPING PACKAGE -LEAD FREE-				
						KTOJO	'04/03/05					
						APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
		MSASAO	'04/03/05									
		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
		SEE SHEET 2.3		SD-55091-007		1 OF 3						
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

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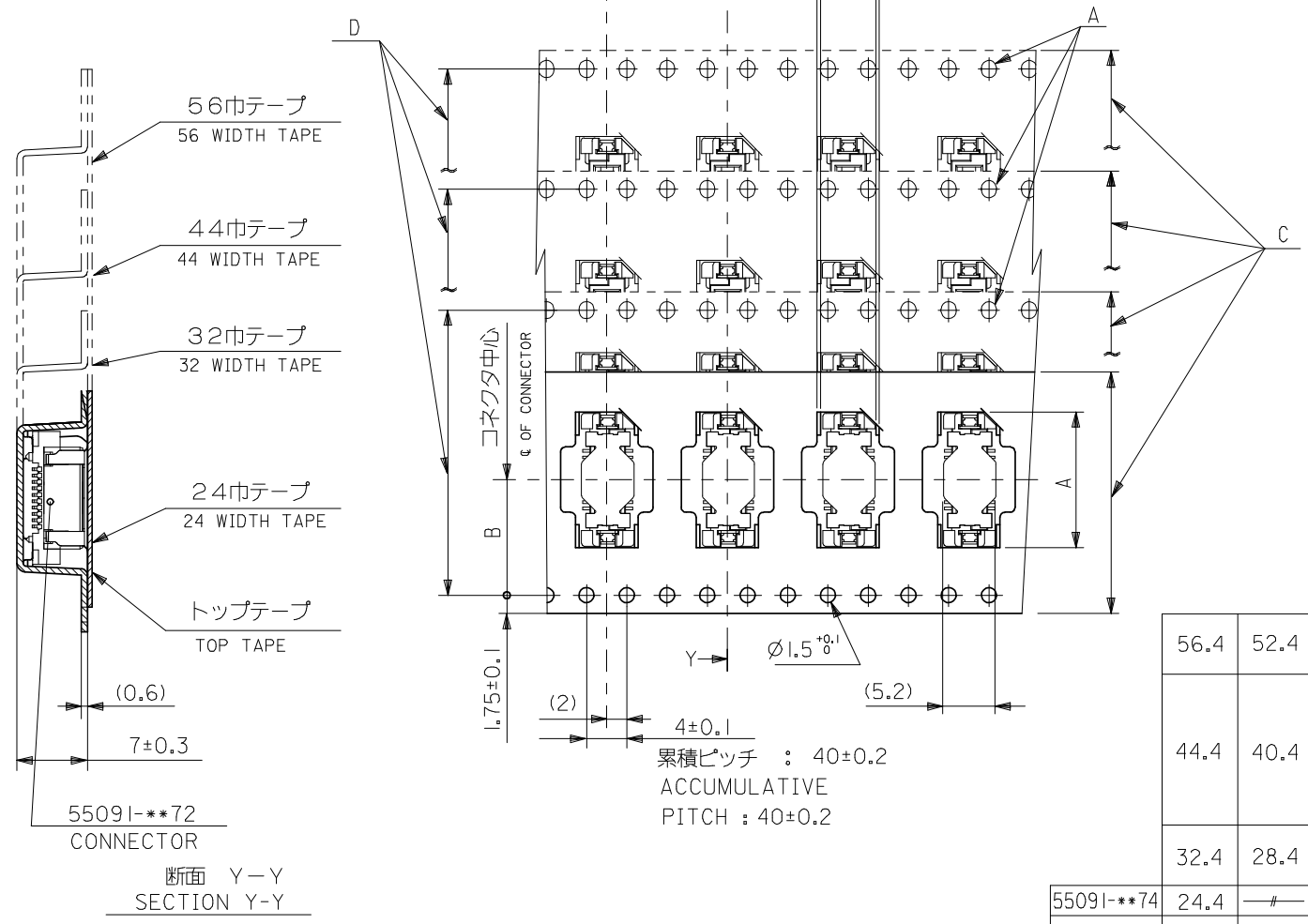
A

引き出し方向
PULL OUT DIRECTION

Y

12±0.1

(6.2)
(5.5)



56巾テープ
56 WIDTH TAPE

44巾テープ
44 WIDTH TAPE

32巾テープ
32 WIDTH TAPE

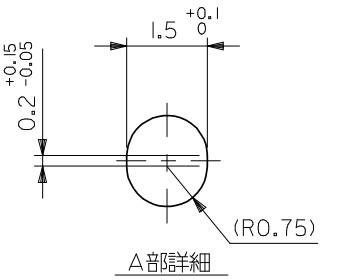
24巾テープ
24 WIDTH TAPE

トップテープ
TOP TAPE

55091-**72
CONNECTOR

断面 Y-Y
SECTION Y-Y

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



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	○
24.4	—#—	24 ^{+0.3}	11.5	13.5	55091-0274	20	○
E	D	C	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 KAWABATA	DATE '04/03/05
CHECKED BY KTOJO	DATE '04/03/05
APPROVED BY MSASAO	DATE '04/03/05

MATERIAL NO.
SEE TABLE

SIZE
A3

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

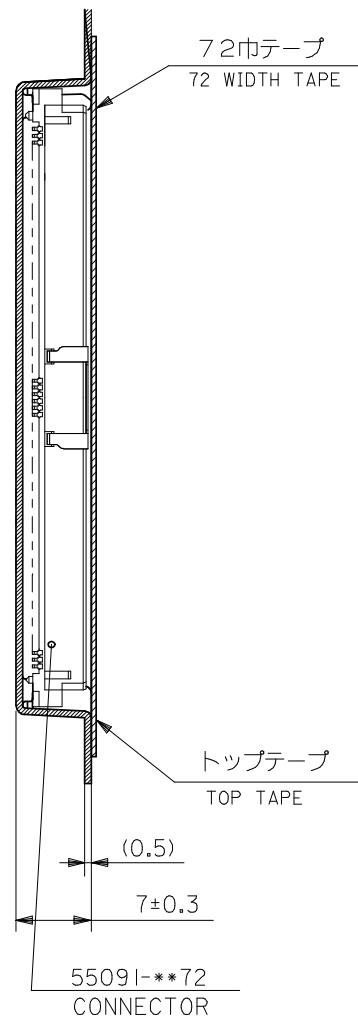
55091-**72 TAPING
PACKAGE
-LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO.
SD-55091-007

SHEET NO.
2 OF 3

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Technical drawing of a part with dimensions and a detail callout. The drawing shows a rectangular part with a circular feature. The dimensions are as follows:

- Overall width: $1.5^{+0.1}_0$
- Overall height: $0.2^{+0.15}_{-0.05}$
- Radius of the circular feature: (R0.75)

A detail callout labeled "A部詳細" points to the circular feature.

55091-**74
MODEL NO.

REVISED EC NO: J2009-0365 DRWN: NABEI CH'KD: THARIYAMA APPR: NUKITA	2008/08/06	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	2008/08/07		10 UNDER	±0.2
			10 OVER 30 UNDER	±0.25
			30 OVER	±0.3
			ANGULAR	±3 °
REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

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