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Part Number:

0550910974

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, 90 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

Series

Application

Comments

Overview

Product Name

PCB Headers

55091

Board-to-Board

Stacking-Type

slimstack_0635mm_025_pitch

SlimStack™

Physical

Breakaway

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Polarized to PCB

Robotic Placement

Stackable

Temperature Range - Operating

Termination Interface: Style

No

90

Black

50

94V-0

No

0.236 In, 0.472 In

12.00 mm, 6.00 mm

Copper Alloy

Gold

Tin

2

Vertical

Yes

Yes

Embossed Tape on Reel

0.025 In

0.64 mm

Yes

Metal Cap

No

-55°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.5A

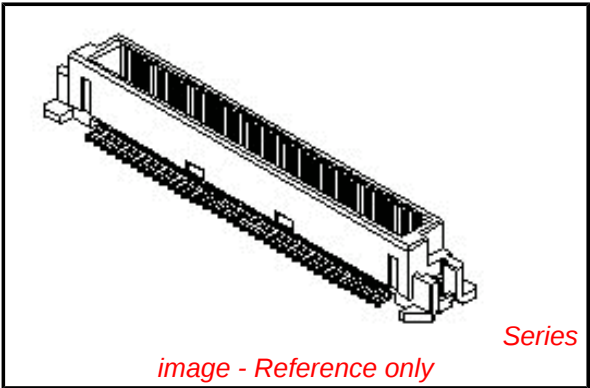
100V

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-55091-001



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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.

China RoHS



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-52760-026, RPS-52760-029, RPS-52901-012
SD-55091-006, SD-55091-007

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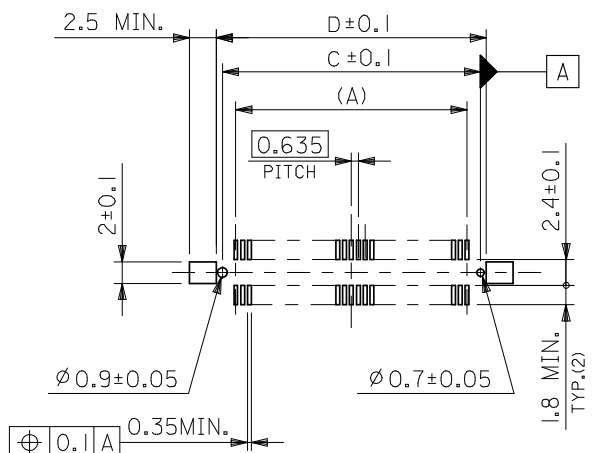
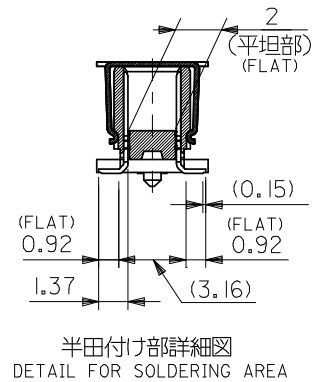
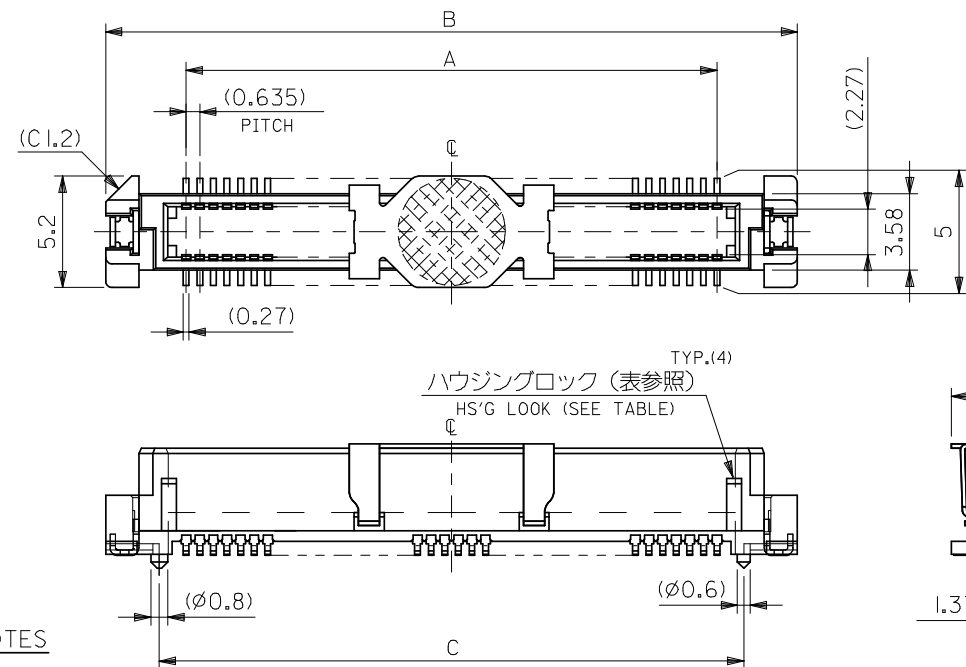
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注) NOTES

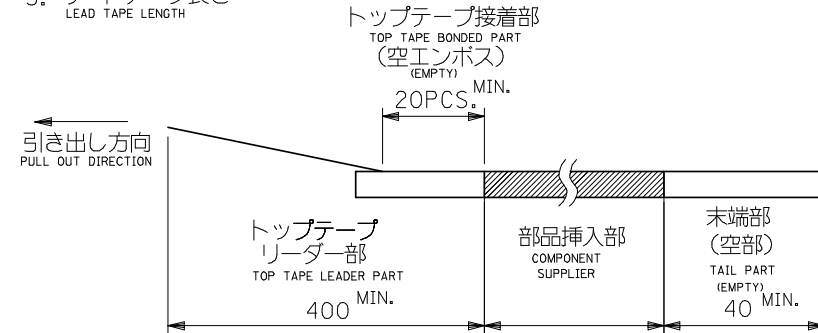
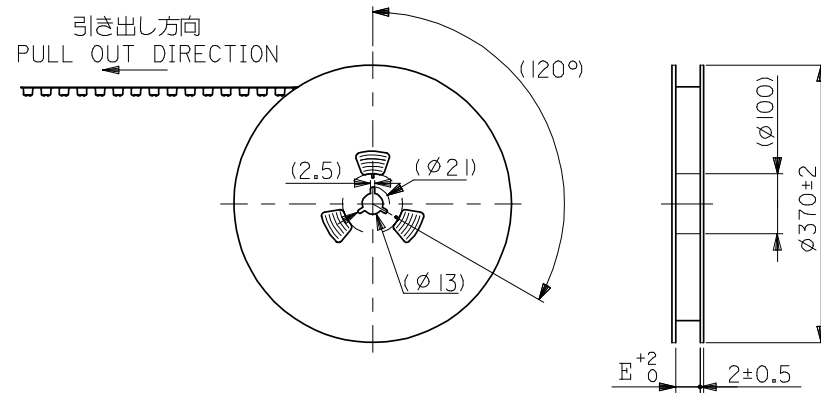
- 材質 MATERIAL
ハウジング : ガラス入りLCP、黒色、UL94V-0
HOUSING: LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, BLACK, UL94V-0
ターミナル : 銅合金 (t=0.2)
TERMINAL: COPPER ALLOY
吸着力バー : ステンレス (t=0.2)
VACUUM COVER: STAINLESS STEEL
補強金具 : 銅合金 (t=0.25)
FITTING NAIL: COPPER ALLOY
- メッキ仕様 PLATING
ターミナル : 接点部 : 金メッキ 0.25 マイクロメートル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

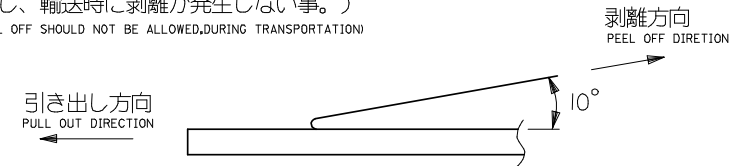
注)
NOTES

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	THIRD ANGLE PROJECTION
	DRWN:NNBEI	2008/08/07				MM ONLY		---	METRIC			
	CHK'D:THARYAMA	2008/08/07				DRAWN BY	DATE	55091-***72 TAPING PACKAGE -LEAD FREE-				
	APPR:NUKITA	2008/08/07				KAWABATA	'04/03/05					
						CHECKED BY	DATE	MOLEX MOLEX INCORPORATED				
						KTOJO	'04/03/05					
						APPROVED BY	DATE	SD-55091-007				
		MSASAO	'04/03/05									
		MATERIAL NO.		DOCUMENT NO.			SHEET NO.					
		SEE SHEET 2.3					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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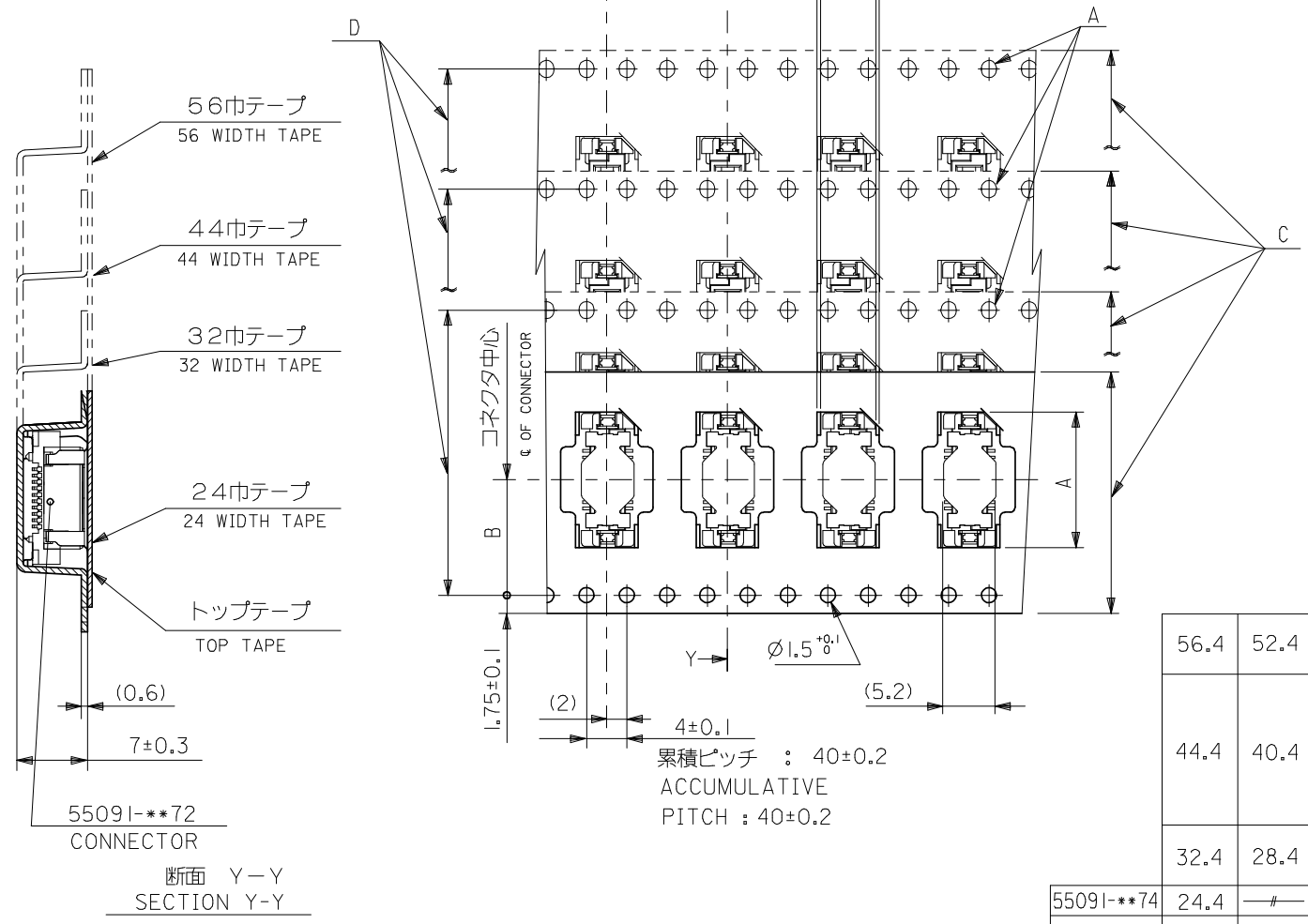
A

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

断面 Y-Y
SECTION Y-Y

55091-**72
CONNECTOR

(0.6)

7±0.3

コネクタ中心
C OF CONNECTOR

B

1.75±0.1

(2)

4±0.1

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

Y

Ø1.5^{+0.1}_{-0.1}

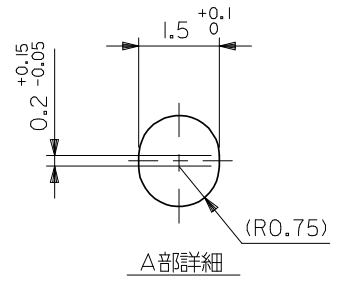
(5.2)

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	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. AVAILABLE	量産対応 NO. OF CKTS. AVAILABLE



REVISED

EC NO: J2009-0365

DRWN:WABEI

CHKD:THARUYAMA

APPR:NUKITA

2008/08/06

2008/08/07

2008/08/07

DESCRIPTION

REV

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

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTION

55091-**72 TAPING
PACKAGE
-LEAD FREE-

MOLEX MOLEX INCORPORATED

DOCUMENT NO.

SD-55091-007

SHEET NO.

2 OF 3

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Офис по работе с юридическими лицами:

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