

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0550911074

Status:

Active

Overview:

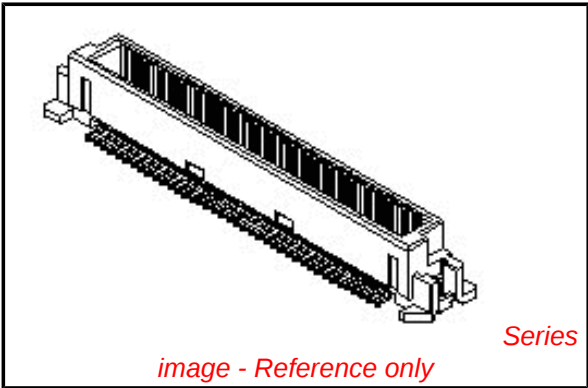
slimstack_0635mm_025_pitch

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, 100 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)	100
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Mated Height (in)	0.236 In
Mated Height (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-52760-026, 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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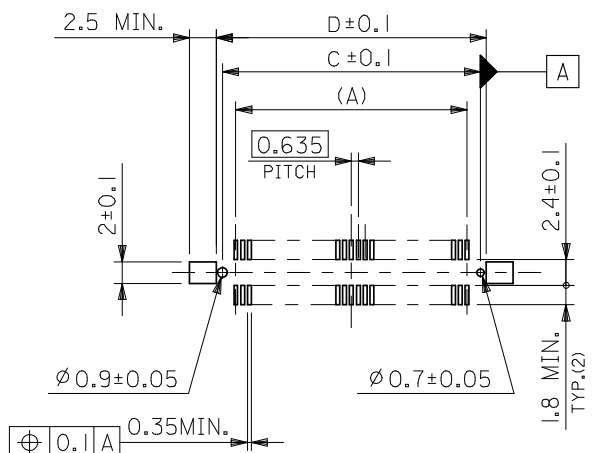
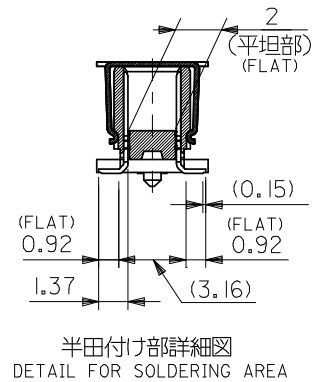
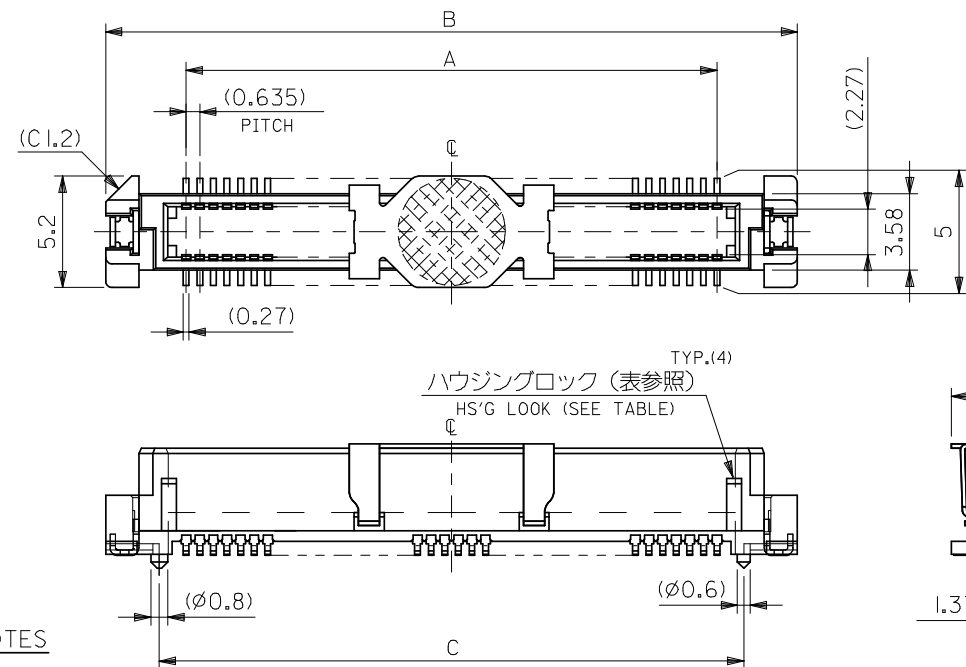
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注) NOTES

- 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。
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.

REVISED		EC NO: J2009-0365		2008/08/06 DRWN:WABEI		2008/08/07 CH'KD:THARUYAMA		2008/08/07 APPR:NUKITA		DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
I												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.			
REV												DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-55091-006		1 OF 1			
												SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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	○
ハウジングロック HS'G LOCK	9.32	8.22	13.22	5.715	55091-0274	55091-0275	55091-0272	20	○
	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				

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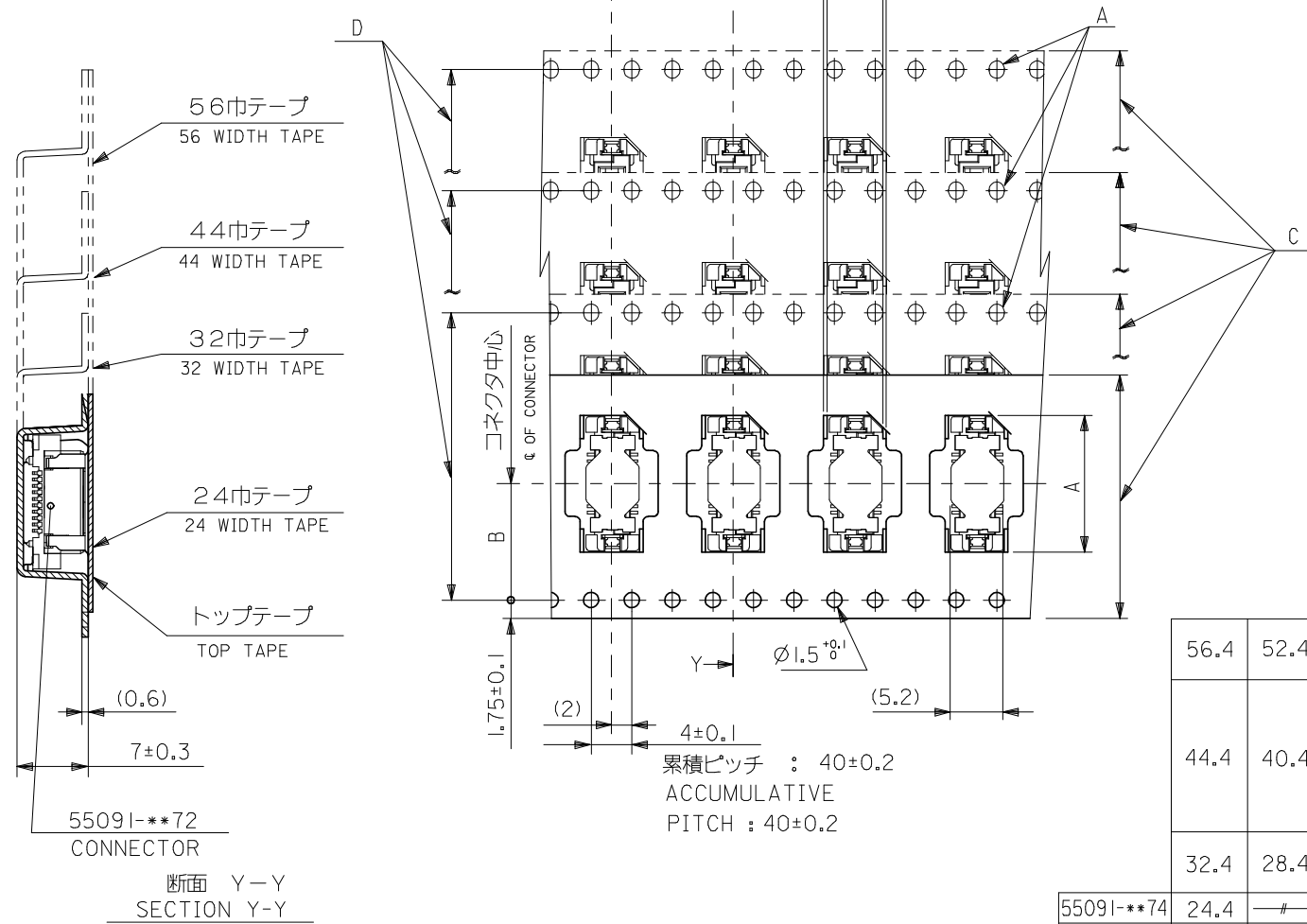
A

引き出し方向
PULL OUT DIRECTION

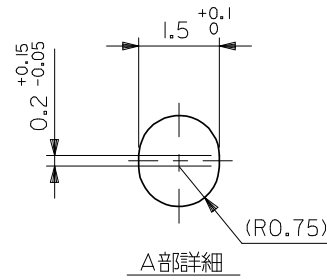
Y

12±0.1

(6.2)
(5.5)



56.4	52.4	56+0.3	26.2	38.9	55091-1074	100	○
				35.8	-0974	90	○
				32.6	-0874	80	○
				29.4	-0774	70	○
44.4	40.4	44+0.3	20.2	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	B	A	MATERIAL NO.	極数 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 INCORPORATED

DOCUMENT NO.

SD-55091-007

SHEET NO.

2 OF 3

10 9 8 7 6 5 4 3 2 1

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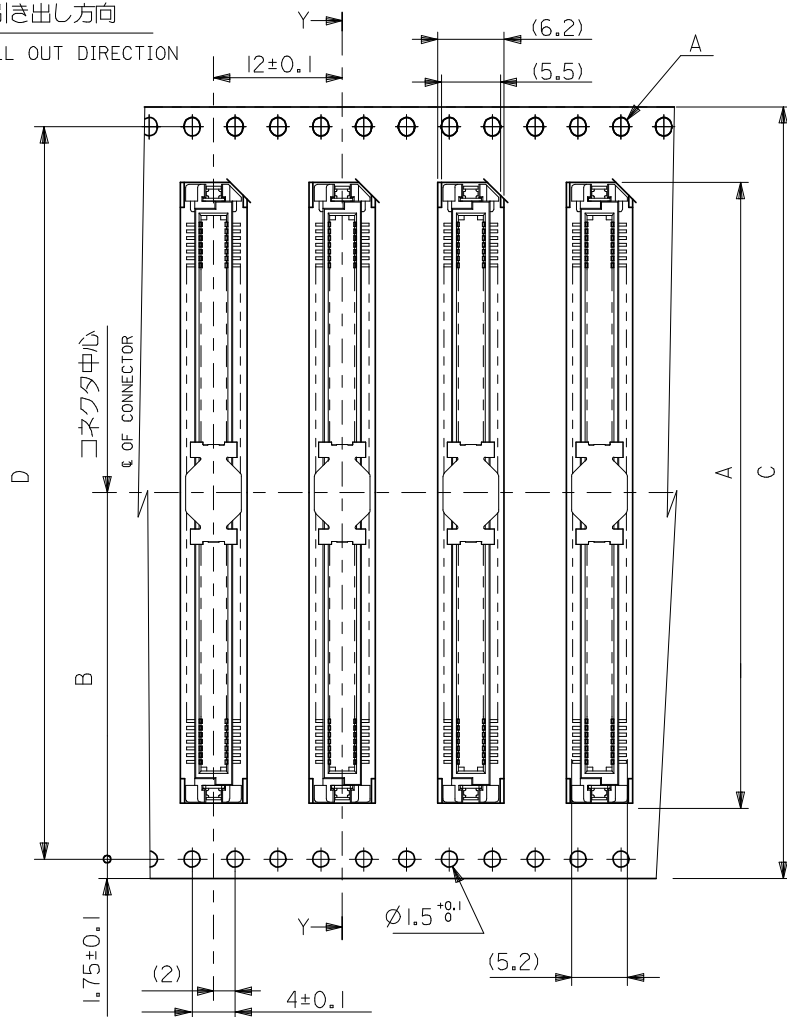
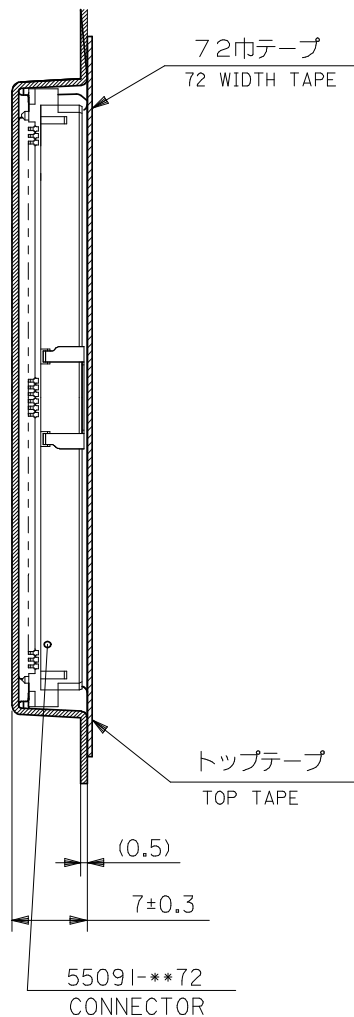
D

C

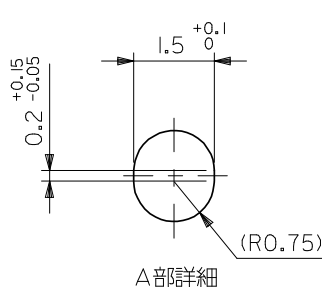
B

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引き出し方向
PULL OUT DIRECTION



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	○
C				(B)	(A)	MATERIAL NO.	極数 NO. OF CKTS. AVAILABLE

REVISED EC NO: J2009-0365 DRWN:WABEI CHKD:THARUYAMA APPR:NUKITA	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		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		---	METRIC			
				DRAWN BY		DATE	55091-**72 TAPING PACKAGE -LEAD FREE-			
				KAWABATA		'04/03/05				
				CHECKED BY		DATE				
				KTOJO		'04/03/05				
				APPROVED BY		DATE	molex MOLEX INCORPORATED			
MSASAO		'04/03/05								
		MATERIAL NO.	DOCUMENT NO.			SHEET NO.				
		SEE TABLE			SD-55091-007			3 OF 3		
		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
		A3								