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Part Number:

0536250574

Status:

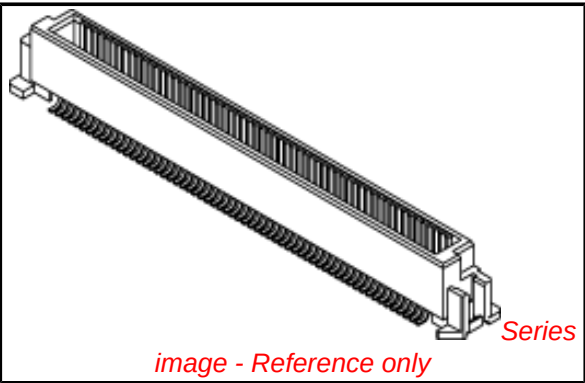
Active

Overview:

slimstack_0635mm_025_pitch

Description:

0.635mm (.025") Pitch SlimStack™ Header, Surface Mount, Dual Row, Vertical Stacking, 13.00mm (.512") Stack Height, Lead-free, 50 Circuits, with Embossed Tape with Cover Packaging



Documents:

3D Model

Drawing (PDF)

Product Specification PS-52760-015 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	53625
Application	Board-to-Board
Comments	Stacking-Type
Overview	slimstack_0635mm_025_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Natural
Durability (mating cycles max)	50
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height (in)	0.276 In, 0.512 In
Mated Height (mm)	13.00 mm, 7.00 mm
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
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
Plating min: Mating (µin)	10
Plating min: Mating (µm)	0.25
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
Polarized to PCB	Yes
Robotic Placement	Metal Cap
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	0.5A

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

53625Series

Mates With

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

Voltage - Maximum

100V

Material Info

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

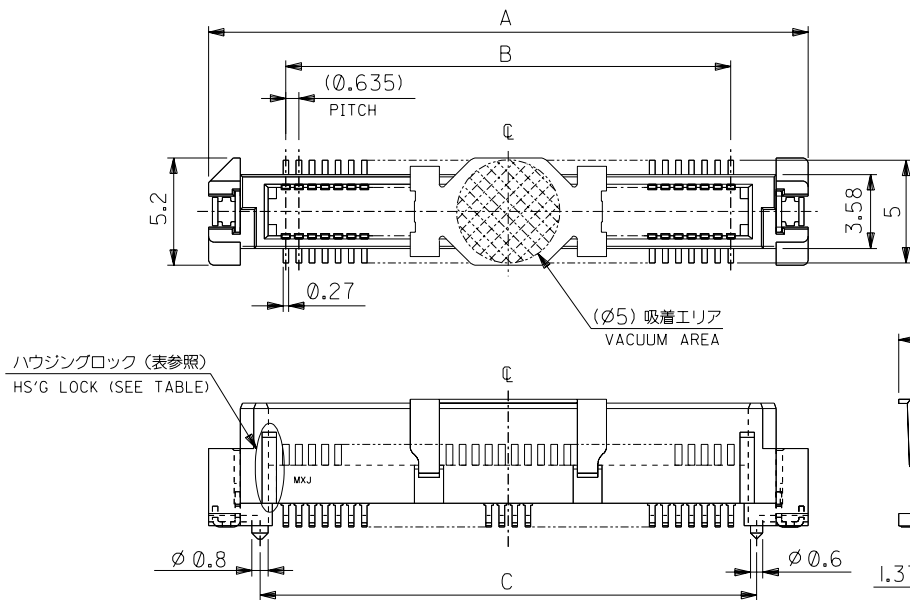
SPK-53625-001

PS-52760-015, RPS-52760-017, RPS-52760-018,
RPS-52760-020, RPS-52760-021, RPS-52760-027,
RPS-52760-029

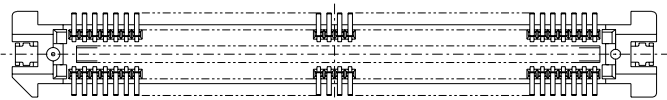
SD-53625-002, SD-53625-003

This document was generated on 05/25/2010

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ハウジングロック (表参照)
HS'G LOCK (SEE TABLE)



注) NOTES

1. 材質 MATERIAL

ハウジング: ガラス入りPPS、茶色、UL94V-0
HOUSING: G.F.PPS, BROWN, UL94V-0
ターミナル: 銅合金 (t=0.2)
TERMINAL: COPPER ALLOY
補強金具: 銅合金 (t=0.25)
FITTING NAIL: COPPER ALLOY
吸着カバー: ステンレス (t=0.2)
VACUUM COVER: STAINLESS STEEL

2. メッキ仕様 PLATING

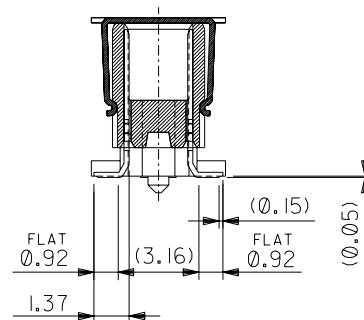
ターミナル: 接点部: 金メッキ 0.25μmMIN.
TERMINAL: CONTACT AREA: GOLD 0.25 MICROMETER MIN.
半田付け部: 錫メッキ 1.0μmMIN.
SOLDER TAIL AREA: TIN 1.0 MICROMETER MIN.
下地メッキ: ニッケルメッキ 1.5μmMIN.
UNDER-PLATING: NICKEL 1.5 MICROMETER MIN.
補強金具: 錫メッキ 1.0μmMIN.
FITTING NAIL: TIN 1.0 MICROMETER MIN.
下地メッキ: ニッケルメッキ 1.0μmMIN.
UNDER-PLATING: NICKEL 1.0 MICROMETER MIN.

3. テールのバラツキ寸法 TAIL COPLANARITY

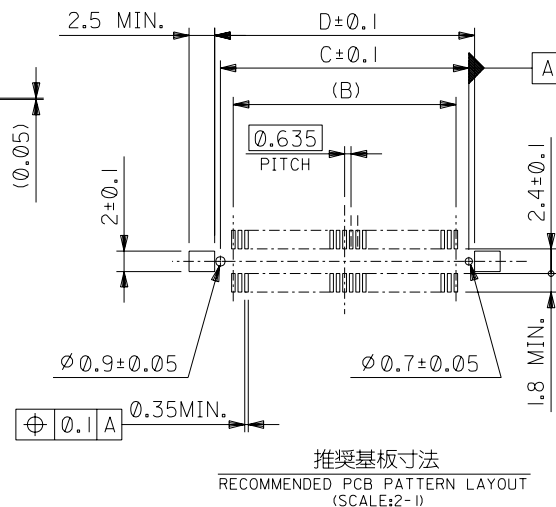
テール平坦度は、0.1MAX.とする。
TAILS COPLANARITY TO BE 0.1MAX.

4. エンボス対応済みの極数については、SD-53625-003を参照下さい。 FOR THE EMBOSSED PACKAGE PRODUCTS, SEE SD-53625-003.

5. 本製品は53625-***2の鉛フリー品である。 THIS PRODUCT IS LEAD FREE OF 53625-***2.



半田付け部詳細図
DETAIL FOR SOLDERING AREA

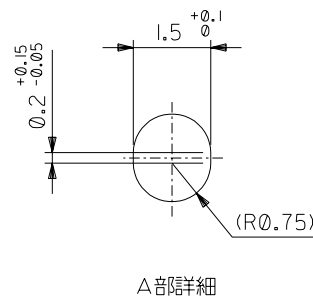
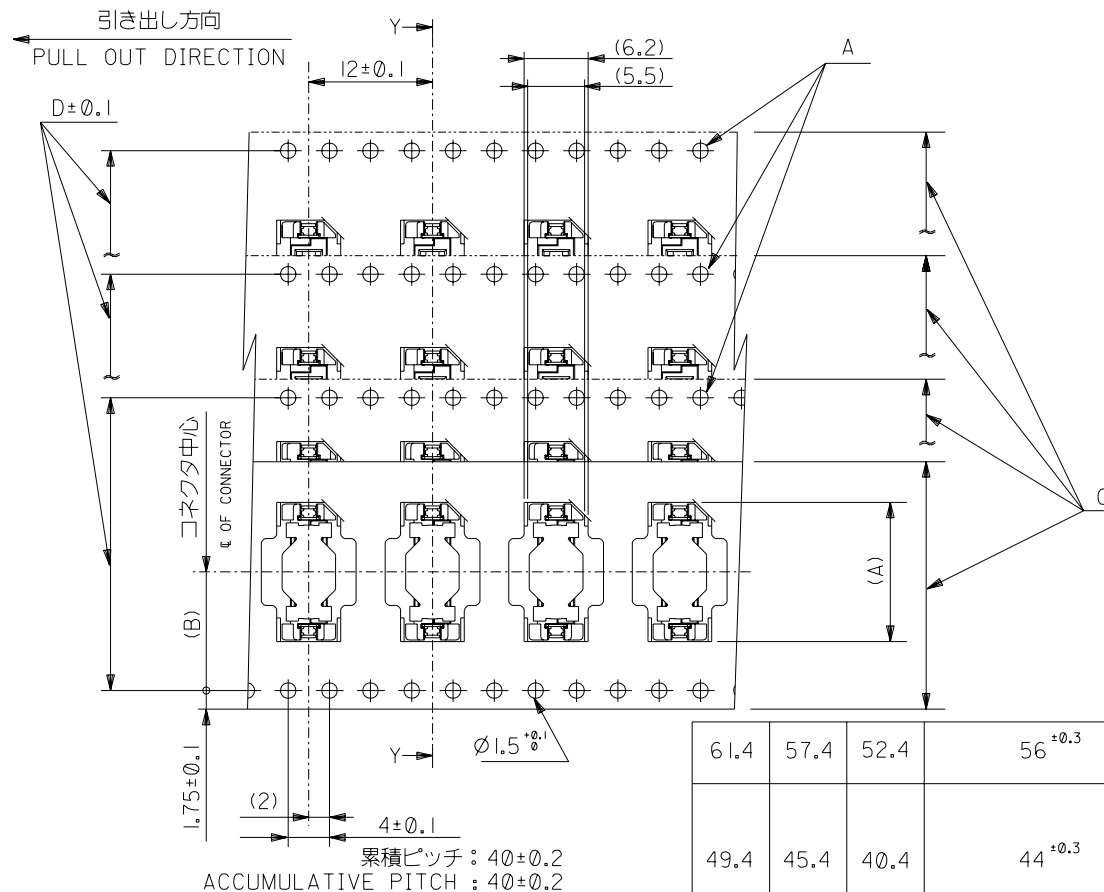


推奨基板寸法
RECOMMENDED PCB PATTERN LAYOUT
(SCALE: 2-1)

無し NO	79.17	78.07	75.565	83.07	53625-2474	53625-2472	240	○
	66.47	65.37	62.865	70.37	—	-2072	200	—
	60.12	59.02	56.515	64.02	—	-1872	180	—
	53.77	52.67	50.165	57.67	53625-1674	-1672	160	○
	47.42	46.32	43.815	51.32	—	-1472	140	○
	41.07	39.97	37.465	44.97	—	-1274	120	○
	34.72	33.62	31.115	38.62	—	-1074	100	—
	31.55	30.45	27.94	35.45	—	-0974	90	○
	28.37	27.27	24.765	32.27	—	-0874	80	○
	25.2	24.1	21.59	29.1	—	-0774	70	—
有り YES	24.56	23.46	20.955	28.46	—	-6874	68	—
	22.02	20.92	18.415	25.92	—	-0674	60	—
	18.85	17.75	15.24	22.75	—	-0574	50	○
	15.67	14.57	12.065	19.57	—	-0474	40	○
	12.5	11.4	8.89	16.4	—	-0374	30	○
	9.32	8.22	5.715	13.22	53625-0274	53625-0272	20	—
					エンボス梱包 EMBOSSED PACKAGING	製品番号 MATERIAL NO.	極数 CKT. NO.	量産対応 AVAILABLE
						MODEL NO.	53625-***72	
ハウジング HS'G LOCK	D	C	B	A				

						材料 MATERIAL		注) 参照 SEE NOTES		molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
						仕上げ FINISH		注) 参照 SEE NOTES		REVISE ONLY ON CAD SYSTEM	
角度 ANGLE		±3°				適用電線範囲 WIRE RANGE		— —		TITLE 名称	
30 以上 OVER		±0.3				被覆外径 INS. RANGE		— —		0.635 PITCH B-T-O-B CONN.	
10 以上 OVER 30 未満 UNDER		±0.25				DRAWN BY '04/05/14 Y.WADA		CHK'D BY '04/05/14 M.SASAO		PLUG HS'G COVER ASS'Y	
10 未満 UNDER		±0.2		0 新規作成 (J2004-4233)		DR. CHK. DATE		APP'D BY '04/05/14 M.SASAO		-LEAD FREE-	
一般公差 GENERAL TOLERANCES		記号 LTR		変更内容 REVISION RECORD		DR. CHK. DATE		尺度 SCALE 4-1		DWG. NO. SD-53625-002	
										REV 0	

断面 Y—Y
SECTION Y-Y

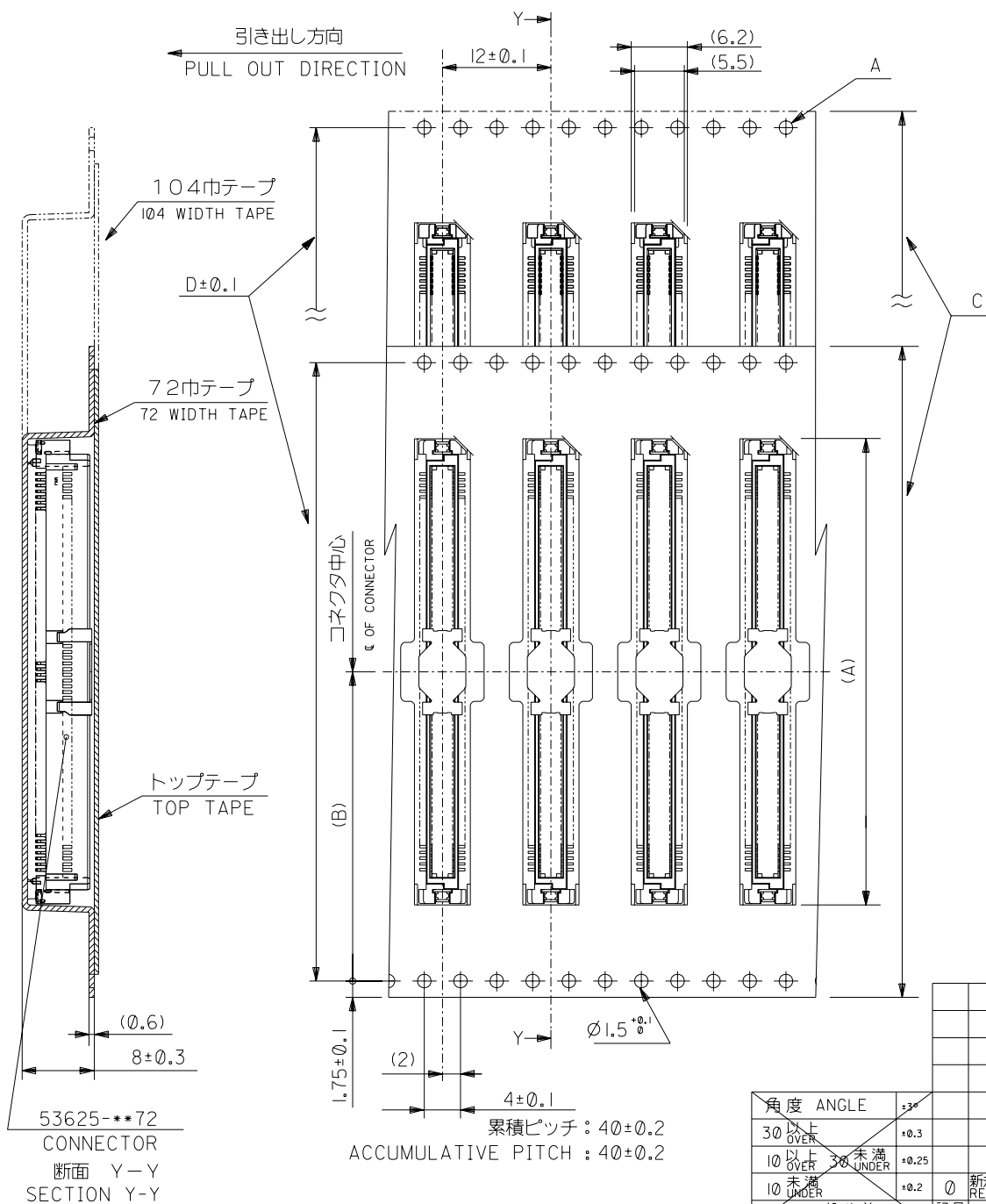


61.4	57.4	52.4	56 ^{±0.3}	26.2	38.9	53625-1074	100	—
					35.8	↑ -0974	90	○
49.4	45.4	40.4	44 ^{±0.3}	20.2	32.6	-0874	80	○
					29.4	-0774	70	—
					28.8	-6874	68	—
					26.2	-0674	60	—
					23.1	-0574	50	○
37.4	33.4	28.4	32 ^{±0.3}	14.2	19.9	-0474	40	○
					16.7	↓ -0374	30	○
29.4	25.4	—#—	24 ^{±0.3}	11.5	13.5	53625-0274	20	—
F	E	D	C キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	MATERIAL NO.	植数 NO. OF EXTS.	製品対応 AVAILABLE

角度 ANGLE ±30° ±0.3 ±0.25 ±0.2		材料 MATERIAL 注参照 SEE NOTES 仕上げ FINISH 適用電線範囲 WIRE RANGE 被覆外径 INS. RANGE — # — — # — — # —		molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社 REVISE ONLY ON CAD SYSTEM TITLE 名称 53625-***72 TAPING PACKAGE -LEAD FREE-		DWG. NO. (SHEET 2 OF 3) SD-53625-003 REV 0	

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SD-53625-003.S02



104.4	100.4	104±0.3	50.2	83.4	53625-2474	240	○
72.4	68.4	72±0.3	34.2	58	53625-1674	160	○
				51.6	53625-1474	140	○
				45.3	53625-1274	120	○
E	D	C	キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	MATERIAL NO.	極数 NO. OF (XTS) AVAILABLE

MODEL NO. 53625-**74

材料
MATERIAL
注参照
SEE NOTESmolex MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社仕上げ
FINISH —#—

REVISE ONLY ON CAD SYSTEM

適用電線範囲
WIRE RANGE —#—

TITLE 名称

被覆外径
INS. RANGE —#—

53625-**72

DRAWN BY '04/05/14
Y.WADACHK'D BY '04/05/14
M.SASAOTAPING PACKAGE
-LEAD FREE-APP'D BY '04/05/14
M.SASAO尺度
SCALE —#—

DWG. NO. (SHEET 3 OF 3)

SD-53625-003

REV

0

角度 ANGLE	±30
30 以上 OVER	±0.3
10 以上 30 未満 OVER 30 UNDER	±0.25
未満 UNDER	±0.2
一般公差 GENERAL TOLERANCES	

記号
LTR変更内容
REVISION RECORDDR.
CHK.日付
DATE

Y.W.

M.S.

'04/05/14