

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0536471074

Status:

Active

Overview:

slimstack_0635mm_025_pitch

Description:

0.635mm (.025") Pitch SlimStack™ Header, Surface Mount, Dual Row, Vertical Stacking, 8.00 and 14.00mm (.315 and .551") Stacking Heights, Lead-free, 100 Circuits, with Embossed Tape with Cover Packaging

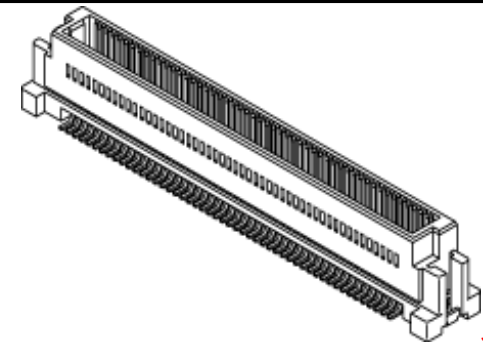


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	53647
Application	Board-to-Board
Comments	Stacking-Type
Overview	slimstack_0635mm_025_pitch
Product Name	SlimStack™

Physical

Breakaway	No
Circuits (Loaded)	100
Color - Resin	Brown
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	Yes
Mated Height (in)	0.315 In, 0.551 In
Mated Height (mm)	14.00 mm, 8.00 mm
Material - Metal	Brass, Phosphor Bronze, Stainless Steel
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-53647-001
Sales Drawing	SD-53647-002, SD-53647-003

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



Need more information on product
environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

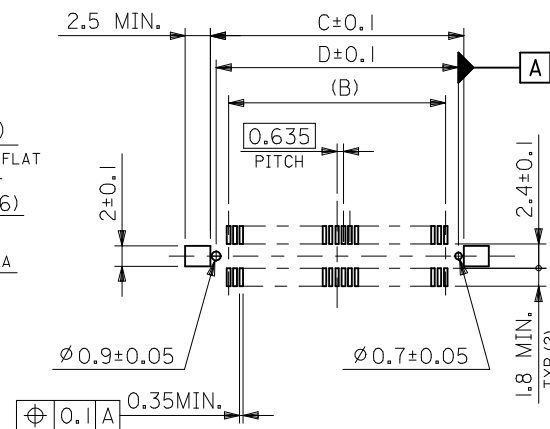
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
53647Series

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

This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



RECOMMENDED PCB PATTERN LAYOUT
(SCALE 2:1)

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
吸着カバー：ステンレス（ $t = 0.2$ ）
VACUUM COVER:STAINLESS STEEL

2. メッキ仕様
PLATING

接点部 : 金メッキ 0.25 μ m MIN.
CONTACT AREA : GOLD 0.25 MICROMETER MIN.
半田付け部 : 錫メッキ 1.0 μ m MIN.
SOLDER TAIL AREA : TIN 1.0 MICROMETER MIN.
下地メッキ : ニッケルメッキ 1.5 μ m MIN.
UNDER-PLATING : NICKEL 1.5 MICROMETER MIN.

3. テールのバラツキ寸法

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

4. 本製品は 53647-***2 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53647-***2.

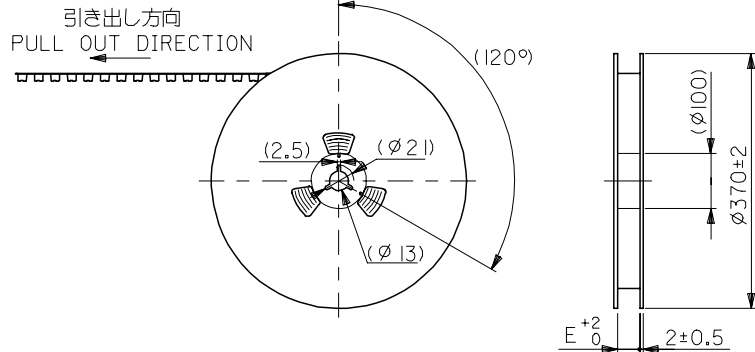
材料 MATERIAL	注) 参照 SEE NOTES
仕上げ FINISH	注) 参照 SEE NOTES
適用電線範囲 WIRE RANGE	— # —
被覆外径 INS. RANGE	— # —

REVISED	EC NO: J2009-1336	2008/12/19
DRWN: YOSHIDAM		2008/12/19
CH'KD: THARUYAMA		2009/01/16
APPR: NUKITA		

GENERAL TOLERANCES (UNLESS SPECIFIED)	
DESCRIPTION	10 UNDER ± 0.2
	10 OVER 30 UNDER ± 0.25
	30 OVER ± 0.3
	ANGULAR ± 3 °
REMARKS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

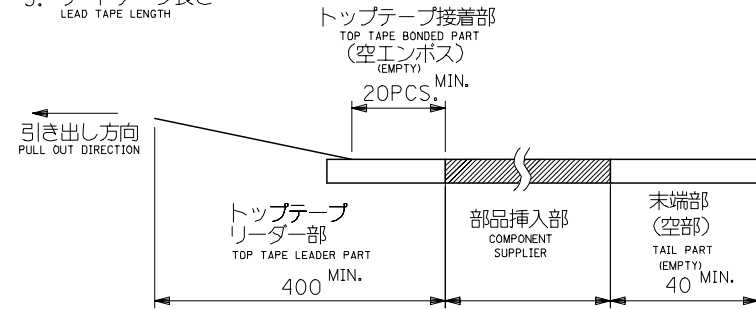
無し NO	52.67	53.77	50.165	57.67	53647-1674	53647-1675	53647-1609	160
	46.32	47.42	43.815	51.32	53647-1474	53647-1475	53647-1409	140
	39.97	41.07	37.465	44.97	53647-1274	53647-1275	53647-1209	120
	33.62	34.72	31.115	38.62	53647-1074	53647-1075	53647-1009	100
	27.27	28.37	24.765	32.27	53647-0874	53647-0875	53647-0809	80
有り YES	20.92	22.02	18.415	25.92	53647-0674	53647-0675	53647-0609	60
	14.57	15.67	12.065	19.57	53647-0474	53647-0475	53647-0409	40
	11.4	12.5	8.89	16.4	53647-0374	53647-0375	53647-0309	30
	8.22	9.32	5.715	13.22	53647-0274	53647-0275	53647-0209	20
ハウジングロック HSG LOCK	D	C	B	A	エンボス棚包 EMBOSSED PACKAGING	スティック棚包 STICK PACKAGING	製品番号 MATRIAL NO.	植穴数 CKI-NO

HS'G LOGO		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	STICK PACKAGING	MATERIAL NO.	CR'T. NO.
DRAWN BY Y. WADA		DATE '04/02/27		TITLE 0.635 PITCH B-TO-B PLUG HS'G COVER ASS'Y -LEAD FREE-		THIRD ANGLE PROJECTION		
CHECKED BY M. SASAO		DATE '04/02/27						
APPROVED BY M. SASAO		DATE '04/02/27		MOLEX		MOLEX INCORPORATED		
MATERIAL NO. SEE CHART				DOCUMENT NO. SD-53647-002			SHEET NO. 1 OF 1	
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

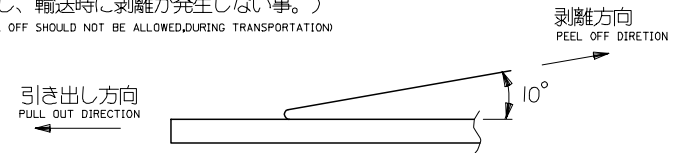


注)
NOTES

- 製品番号 53647-***9 の詳細寸法については、SD-53647-002 を参照下さい。
IN THE PACKAGE, PART NO. 53647-***9 DETAILED DIMENSIONS, SEE SD-53647-002
- 梱包数量 : 840個/リール
NUMBER OF CONNECTORS : 840 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH

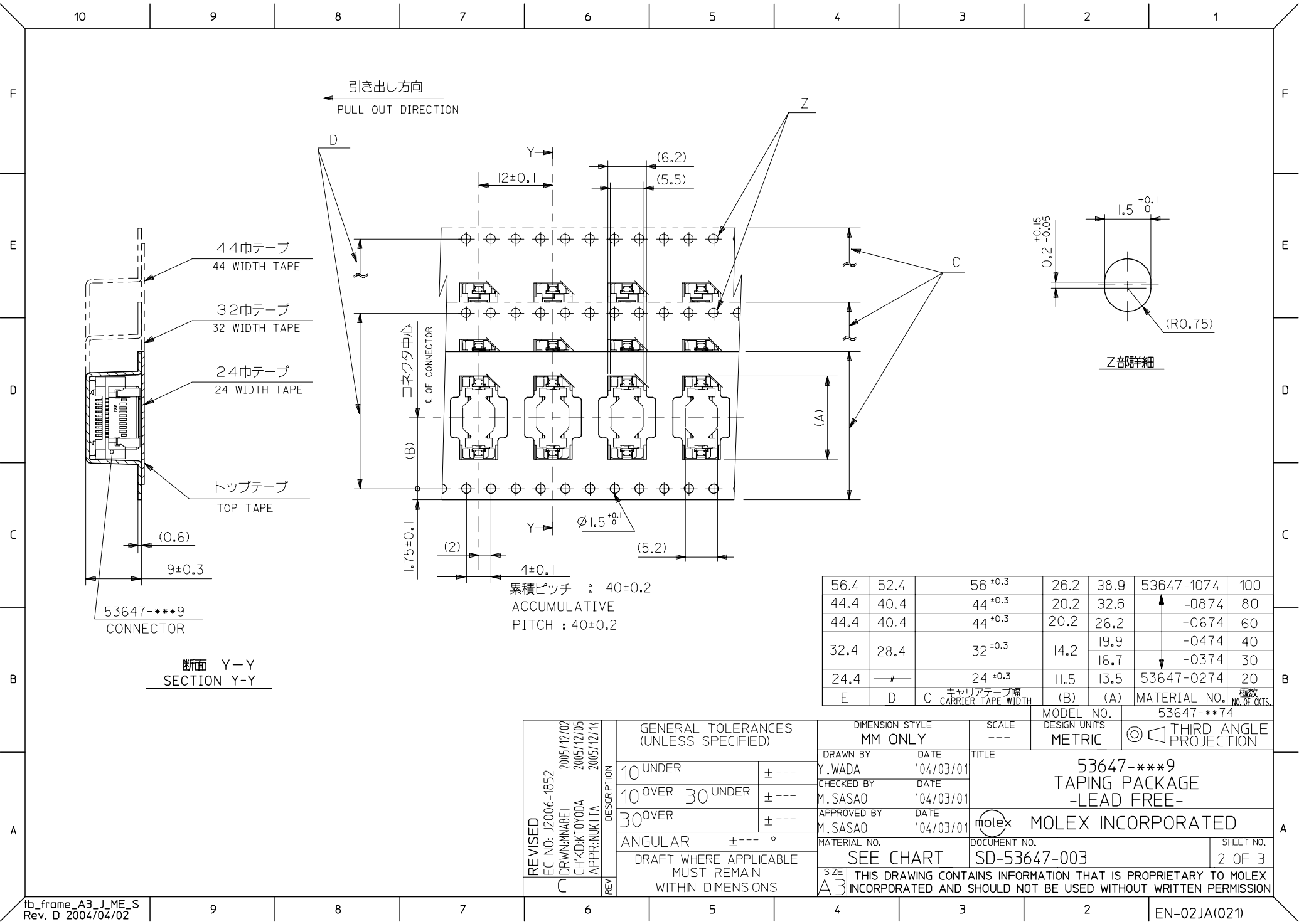


- トップテープの剥離強度 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0.1 ~ 1.3 N {10 ~ 130 gf}
尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION)



- 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
- 本製品は53647-***4の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53647-***4.

REVISED		EC NO: J2006-1852		DRWN: NABEI		2005/12/02		CHKD: TOYODA		2005/12/05		APPR: NUKITA		2005/12/14	
DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		MODEL NO.		THIRD ANGLE PROJECTION		SHEET NO.	
10 UNDER		± ---		DRAWN BY		DATE		TITLE		53647-***9		TAPING PACKAGE		1 OF 3	
10 OVER 30 UNDER		± ---		CHECKED BY		DATE		M. SASAO		04/03/01		M. SASAO		04/03/01	
30 OVER		± ---		APPROVED BY		DATE		M. SASAO		04/03/01		M. SASAO		04/03/01	
ANGULAR		± --- °		MATERIAL NO.		DOCUMENT NO.		SEE CHART		SD-53647-003		MATERIAL NO.		DOCUMENT NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		1 OF 3	



56.4	52.4	56 ^{+0.3}	26.2	38.9	53647-1074	100
44.4	40.4	44 ^{+0.3}	20.2	32.6	-0874	80
44.4	40.4	44 ^{+0.3}	20.2	26.2	-0674	60
32.4	28.4	32 ^{+0.3}	14.2	19.9	-0474	40
24.4	—	24 ^{+0.3}	11.5	13.5	-0374	30
E	D	C	キャリアテープ幅 CARRIER TAPE WIDTH	(B) (A)	MATERIAL NO.	極数 NO. OF CXTS.

REVISED EC NO: J2006-1852 DRWN: MABE1 CHKD: KTOYODA APPR: NUKITA	DESCRIPTION 2005/12/02 2005/12/05 2005/12/14	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY Y. WADA	DATE '04/03/01	TITLE 53647-***9 TAPING PACKAGE -LEAD FREE-			
		10 OVER 30 UNDER	± ---	CHECKED BY M. SASAO	DATE '04/03/01				
		30 OVER	± ---	APPROVED BY M. SASAO	DATE '04/03/01	MOLEX MOLEX INCORPORATED			
		ANGULAR	± --- °	MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53647-003		2 OF 3	
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

