This document was generated on 05/25/2010

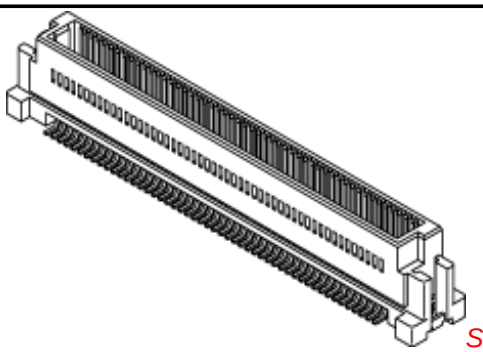
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0536471274

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, 120 Circuits, with Embossed Tape with Cover Packaging



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-52760-015 (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)	120
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
Product Specification	PS-52760-015, RPS-52760-017, RPS-52760-018, RPS-52760-020, RPS-52760-021, RPS-52760-029

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?

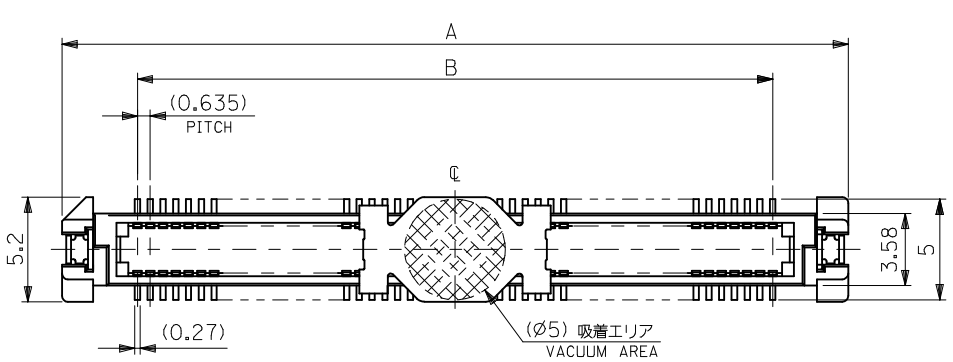
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

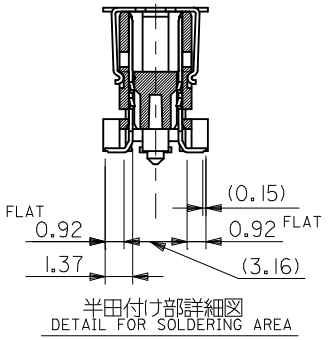
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
53647Series

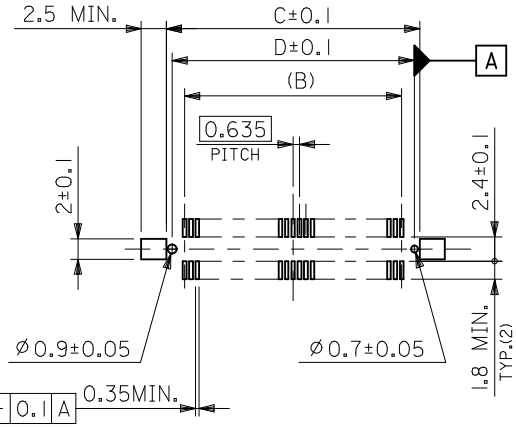
Mates With
SlimStack™ Receptacle 52760 , 52837 , 52885 , 52901

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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

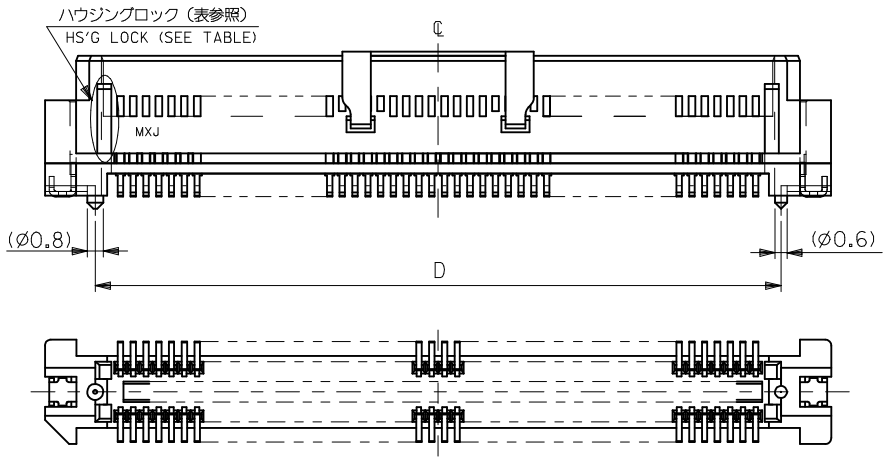


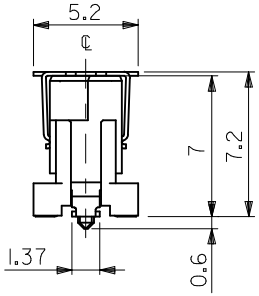


半田付け部詳細図
DETAIL FOR SOLDERING AREA



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





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　０.２５μｍＭＩＮ.
   CONTACT AREA : GOLD 0.25 MICROMETER MIN.
   半田付け部：錫メッキ　１.０ μmMIN.
   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.
3. テールのバラツキ寸法
   TAIL COPLANARITY
   テール平坦度は、０.１ MAX.とする。
   TAILS COPLANARITY TO BE 0.1MAX.
4. 本製品は 53647-***2 の鉛フリー品である．
   THIS PRODUCT IS LEAD FREE OF 53647-***2.

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 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.

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 DESCRIPTION
DRWN:YOSHIDAM 2008/12/19
CH'KD:THARUYAMA 2009/01/16
APPR:NUKITA
F REV

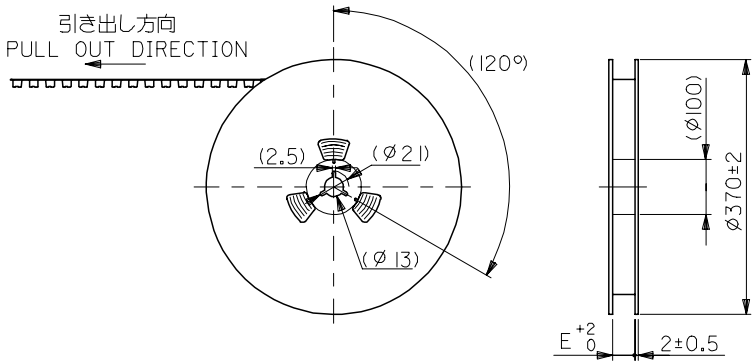
GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

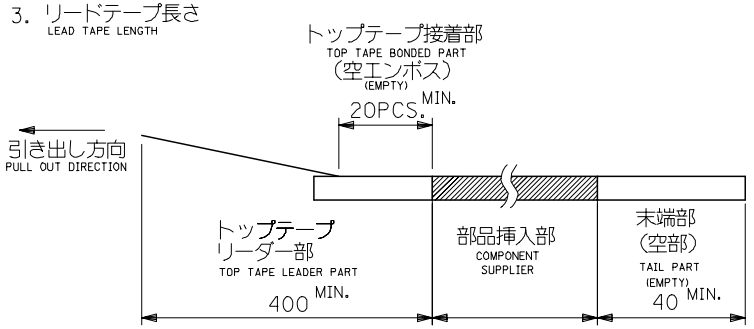
DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	Y.WADA '04/02/27
CHECKED BY / DATE	M.SASAO '04/02/27
APPROVED BY / DATE	M.SASAO '04/02/27
TITLE	0.635 PITCH B-TO-B PLUG HS'G COVER ASS'Y -LEAD FREE-
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-53647-002
SHEET NO.	1 OF 1
SIZE	A3

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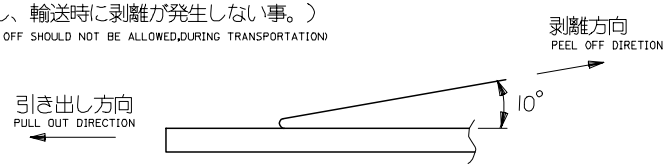


注)
NOTES

1. 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
2. 梱包数量 ： ８４０個／リール
NUMBER OF CONNECTORS : 840 PCS/REEL
3. リードテープ長さ
LEAD TAPE LENGTH

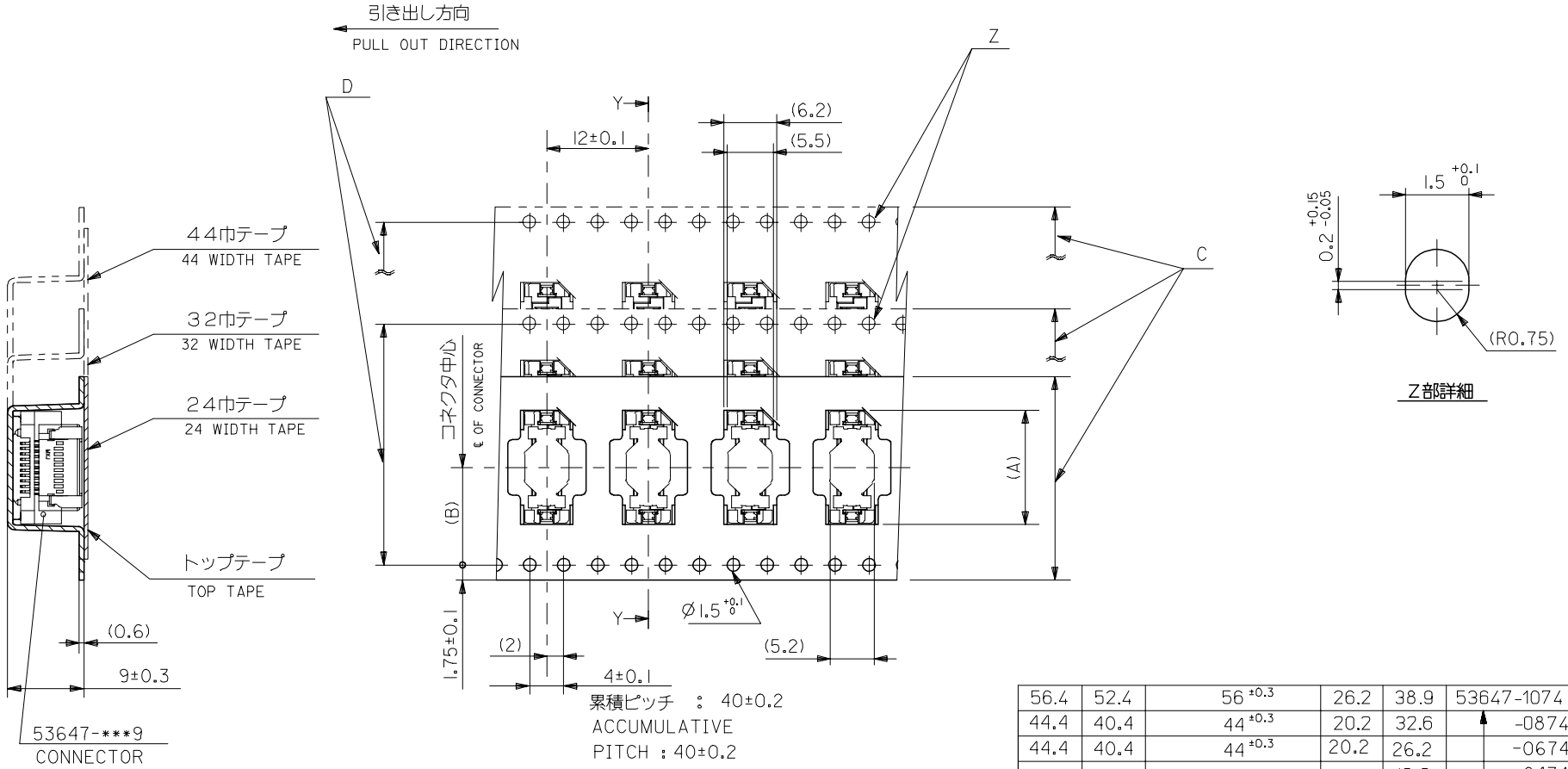


4. トップテープの剥離強度 （剥離方向は下図参照）
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
０．１～１．３Ｎ {１０～１３０ｇｆ}
尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
（但し、輸送時に剥離が発生しない事。）
(PEEL OFF SHOULD NOT BE ALLOWED,DURING TRANSPORTATION)



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

					MODEL NO.	53647-**74
REVISED EC NO: J2006-1852	2005/12/02 2005/12/05 2005/12/14	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC / THIRD ANGLE PROJECTION
DRWN:MNABEI CHKD:KTOYODA APPR:NUKITA			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	
C		REV	ANGULAR ±--- °	MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-53647-003	SHEET NO.: 1 OF 3
			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	



断面 Y－Y
SECTION Y-Y

Z部詳細

E	D	C キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	MATERIAL NO.	極数 NO. OF CKTS.
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
				16.7	-0374	30
24.4	〃	24 ±0.3	11.5	13.5	53647-0274	20

REVISED
EC NO: J2006-1852 2005/12/02
DRWN:MNABEI 2005/12/05
CHKD:KTOYODA
APPR:NUKITA 2005/12/14
REV C

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: Y.WADA DATE: '04/03/01
CHECKED BY: M.SASAO DATE: '04/03/01
APPROVED BY: M.SASAO DATE: '04/03/01

MODEL NO.: 53647-**74

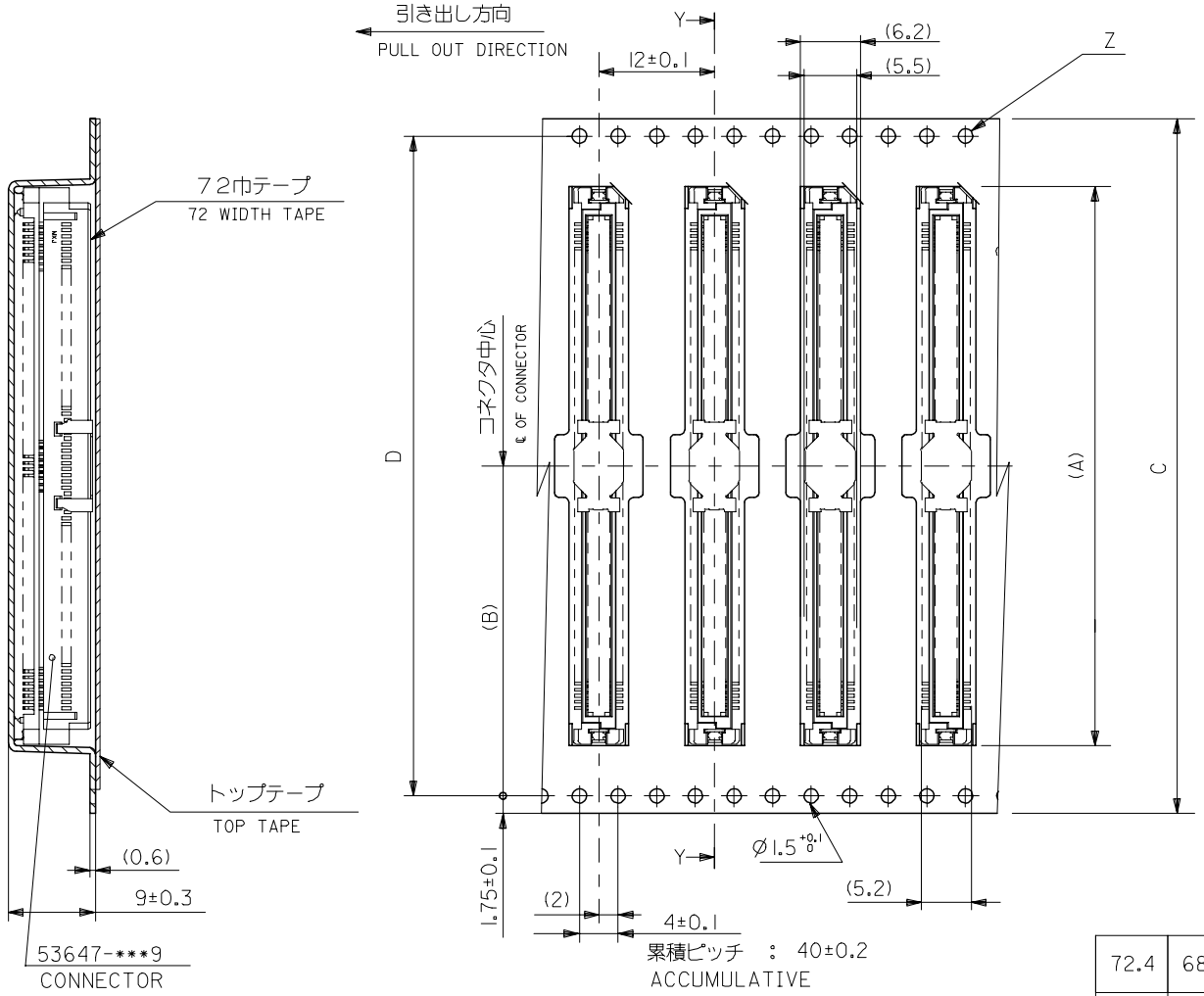
TITLE:
53647-***9
TAPING PACKAGE
-LEAD FREE-

molex MOLEX INCORPORATED

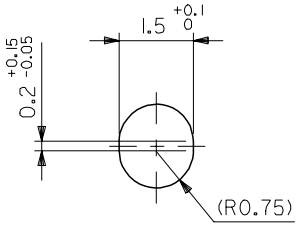
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-53647-003
SHEET NO.: 2 OF 3

SIZE A3

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断面 Y−Y
SECTION Y-Y



Z部詳細

72.4	68.4	72 ±0.3	34.2	51.6	53647-1474	140
			34.2	45.3	53647-1274	120
E	D	C キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	MATERIAL NO.	極数 NO. OF CKTS.

MODEL NO. 53647-**74

REVISED
EC NO: J2006-1852 2005/12/02
DRWN:MNABEI 2005/12/05
CHKD:KTOYODA
APPR:NUKITA 2005/12/14

REV	DESCRIPTION
C	

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: Y.WADA DATE: '04/03/01
CHECKED BY: M.SASAO DATE: '04/03/01
APPROVED BY: M.SASAO DATE: '04/03/01

TITLE
53647-***9
TAPING PACKAGE
-LEAD FREE-

molex MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-53647-003
SHEET NO. 3 OF 3

SIZE A3

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