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Part Number:

0536490474

Status:

Active

Overview:

slimstack_0635mm_025_pitch

Description:

0.635mm (.025") Pitch SlimStack™ Plug, Surface Mount, Dual Row, Vertical Stacking, 9.00 and 15.00mm (.354 and .591") Stacking Heights, Lead-free, 40 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

Series

Application

Comments

Overview

Product Name

PCB Headers

53649

Board-to-Board

Stacking-Type

slimstack_0635mm_025_pitch

SlimStack™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Robotic Placement

Shrouded

Stackable

Temperature Range - Operating

Termination Interface: Style

No

40

40

Natural

50

No

No

No

No

None

Yes

0.354 In, 0.591 In

15.00 mm, 9.00 mm

Brass, Phosphor Bronze, Stainless Steel

Gold

Tin

High Temperature Thermoplastic

2

Vertical

Yes

Yes

Embossed Tape on Reel

0.025 In

0.64 mm

10

0.25

80

2

Yes

Metal Cap

Fully

No

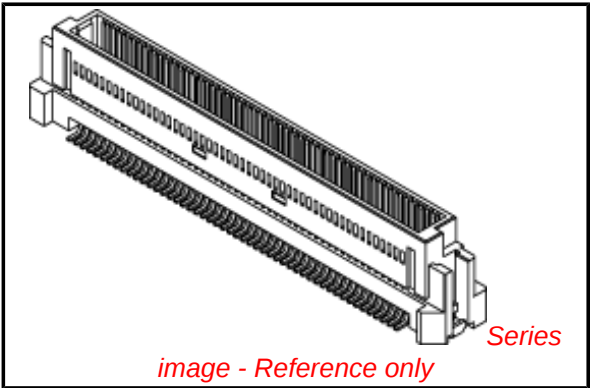
-55°C to +85°C

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

53649Series

Mates With

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

Voltage - Maximum

100V

Material Info

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

SPK-53649-001

PS-52760-015, RPS-52760-017, RPS-52760-018,

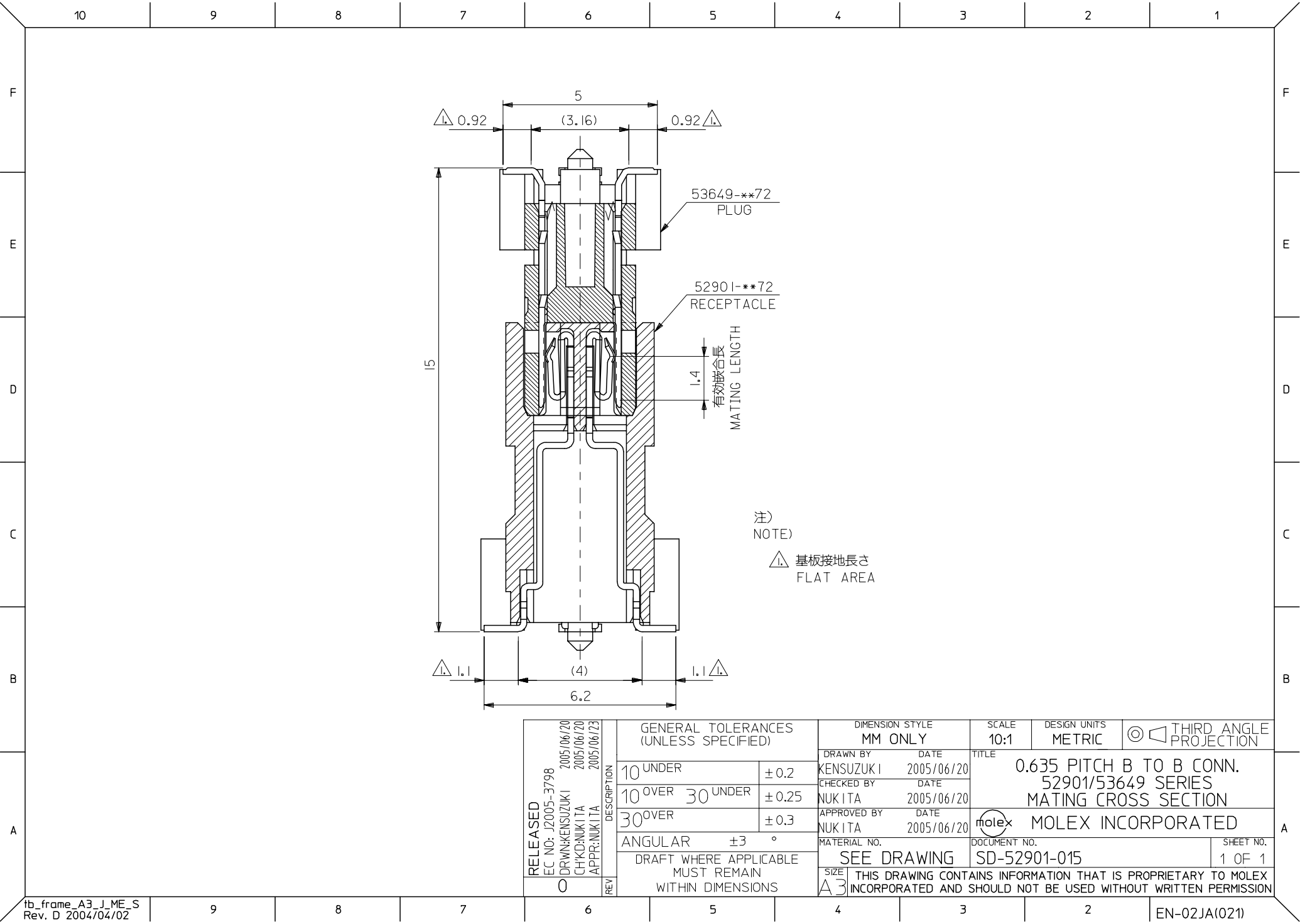
RPS-52760-020, RPS-52760-021, RPS-52760-029,

RPS-52901-010

SD-52901-015, SD-53649-004, SD-53649-005

This document was generated on 05/26/2010

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注)
NOTE)

△ 基板接地長さ
FLAT AREA

RELEASED EC NO: J2005-3798 DRWN: KENSUZUKI CHKD: NUKI TA APPR: NUKI TA O	REV	DESCRIPTION 2005/06/20 2005/06/20 2005/06/23	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			10 UNDER	± 0.2	DRAWN BY KENSUZUKI	DATE 2005/06/20	TITLE 0.635 PITCH B TO B CONN. 52901/53649 SERIES MATING CROSS SECTION			
			10 OVER 30 UNDER	± 0.25	CHECKED BY NUKI TA	DATE 2005/06/20				
			30 OVER	± 0.3	APPROVED BY NUKI TA	DATE 2005/06/20	MOLEX MOLEX INCORPORATED			
			ANGULAR ± 3 °		MATERIAL NO. SEE DRAWING		DOCUMENT NO. SD-52901-015		SHEET NO. 1 OF 1	
			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			

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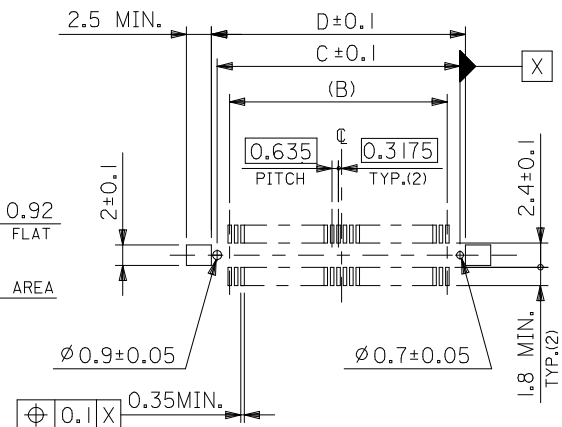
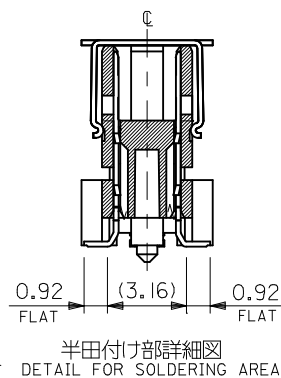
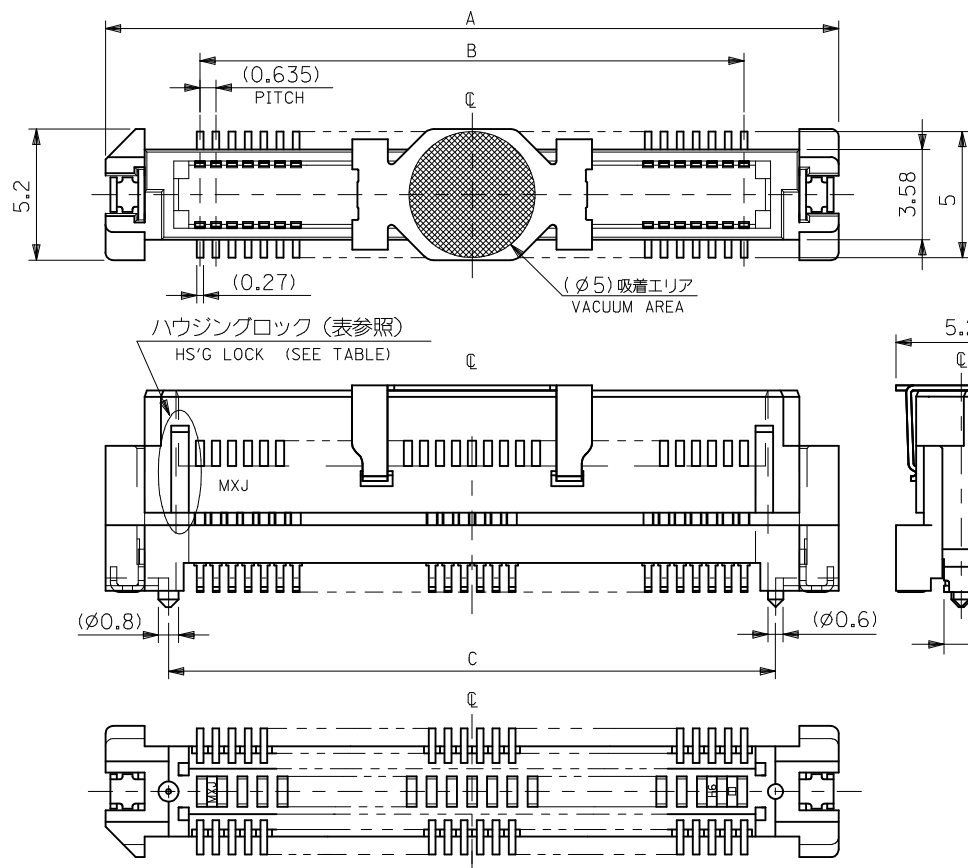
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注) NOTES

- 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
- メッキ仕様 PLATING
接点部 : 金メッキ 0.25µmMIN.
CONTACT AREA: GOLD 0.25µmMIN.
半田付け部: 銅メッキ 1.0µmMIN.
SOLDER TAIL AREA: TIN 1.0µmMIN.
下地メッキ: ニッケルメッキ 1.5µmMIN.
UNDER-PLATING: NICKEL 1.5µmMIN.
- テールのバツキ寸法 TAIL COPLANARITY
テール平坦度は、0.1MAX.とする。
TAILS COPLANARITY TO BE 0.1MAX.

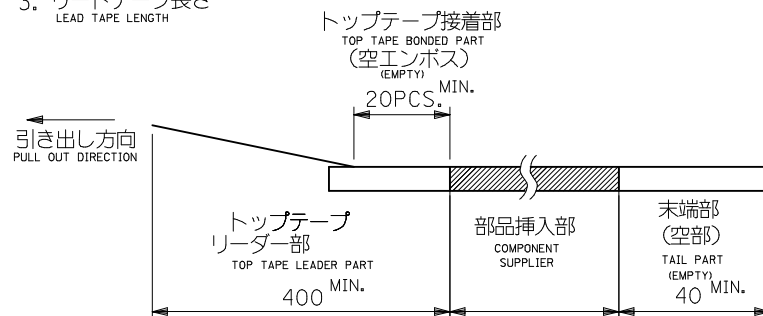
4. 本製品は 53649-***2 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53649-***2

無し NO	47.42	46.32	43.815	51.32	—#—	53649-1475	53649-1472	140
	34.72	33.62	31.115	38.62	53649-1074	53649-1072	100	
	28.37	27.27	24.765	32.27	53649-0874	53649-0875	53649-0872	80
有り YES	22.02	20.92	18.415	25.92	53649-0674	53649-0672	53649-0672	60
	15.67	14.57	12.065	19.57	53649-0474	53649-0475	53649-0472	40
	12.5	11.4	8.89	16.4	53649-0374	53649-0375	53649-0372	30
ハウジングブロック 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.
					MODEL NO. 53649-***72		THIRD ANGLE PROJECTION	

REVISED EC NO: J2009-0280 DRWN: MAKURAA 2008/08/01 CHKD: T. HARIYAMA 2008/08/01 APPR: NUKITA 2008/12/19 D	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	M. NABEI	'04/02/25	TITLE 0.635 B/B CONN. PLUG HS'G COVER ASS'Y -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	K. TOJO	'04/02/25					
		30 OVER	± 0.3	M. SASAO	'04/02/25	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53649-004				1 OF 1
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

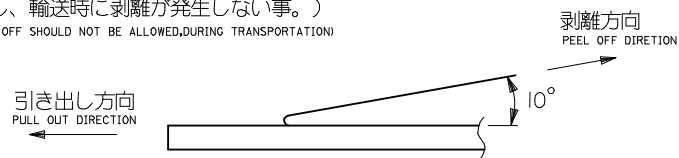
注)
NOTES

- 製品番号 53649-***72の詳細寸法については、SD-53649-004 を参照下さい。
IN THE PACKAGE , PART NO.53649-***72 DETAILED DIMENSIONS , SEE SD-53649-004
- 梱包数量 : 760 個/リール
NUMBER OF CONNECTORS : 760 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH



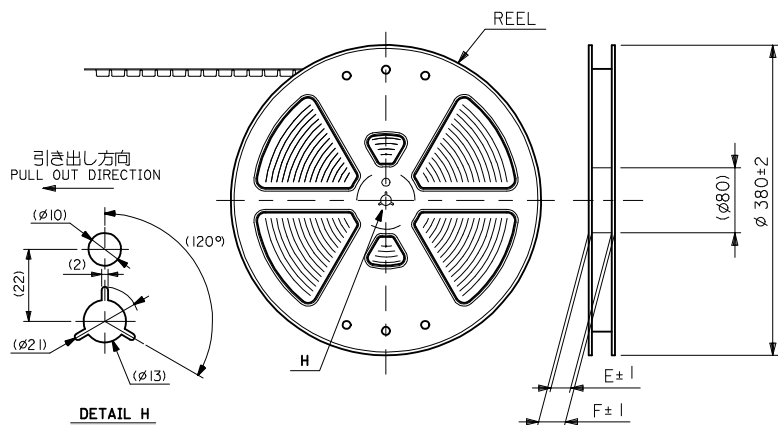
- トップテープの剥離強度 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0.1~1.3N {10~130gf}

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)



- 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 53649-****4 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53649-****4



REVISED EC NO.: J2009-0280 DRWN:NAKAMURAA 2008/08/01 CHKD:T. HARUYAMA 2008/08/01 APPR:NUKITA 2008/12/19	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY M. NABEI	DATE '04/02/25	TITLE EMBOSSSED TAPE PACKAGE FOR 53649-**72 -LEAD FREE-			
		10 OVER 30 UNDER	± ---	CHECKED BY K. TOJO	DATE '04/02/25				
		30 OVER	± ---	APPROVED BY M. SASAO	DATE '04/2/25				
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2 OF 2		SD-53649-005		1 OF 2	
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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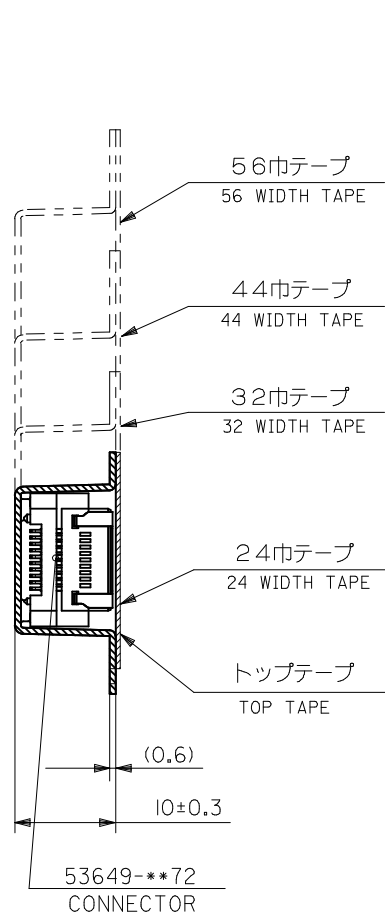
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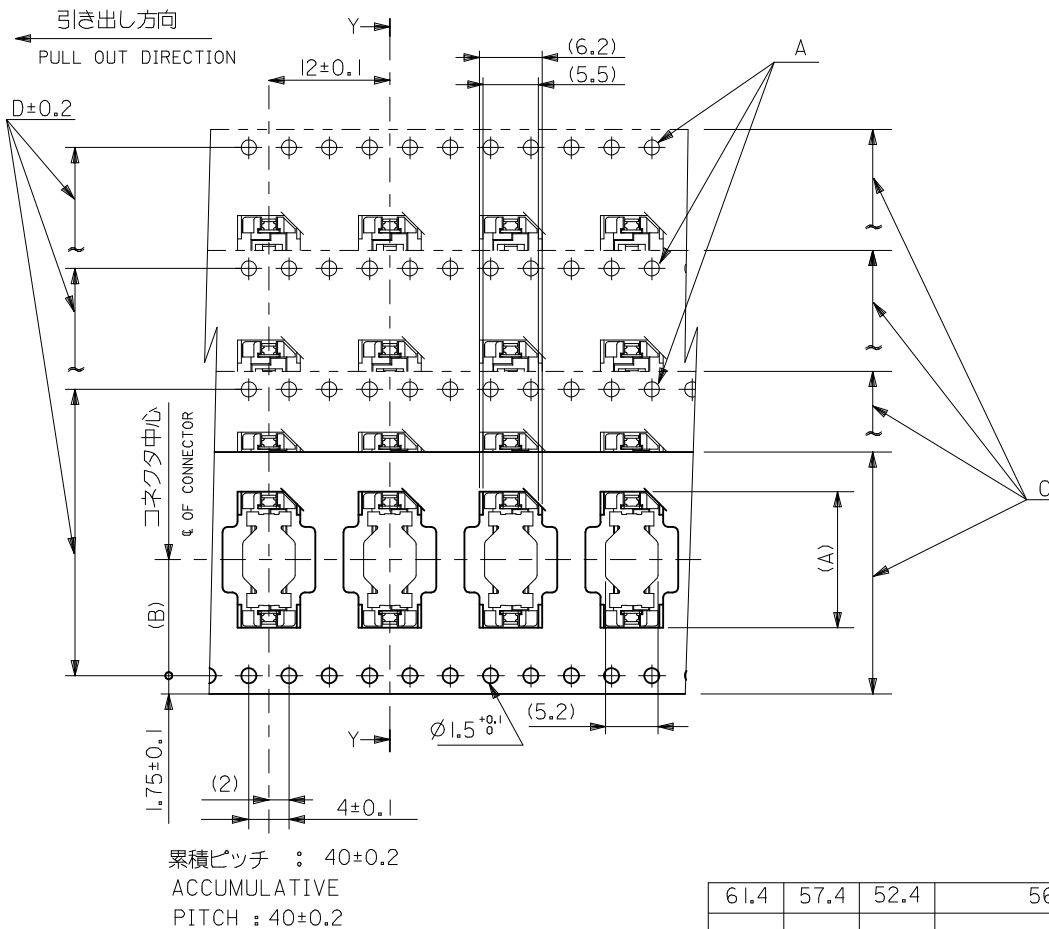
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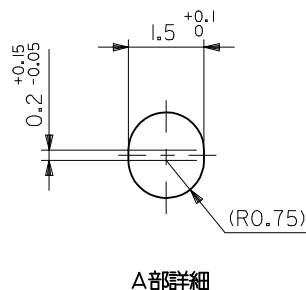


断面 Y-Y
SECTION Y-Y



61.4	57.4	52.4	56 ^{+0.3}	26.2	38.9	53649-1074	100
49.4	45.4	40.4	44 ^{+0.3}	20.2	32.6	53649-0874	80
					26.2	53649-0674	60
37.4	33.4	28.4	32 ^{+0.3}	14.2	19.9	53649-0407	40
29.4	25.4	—	24 ^{+0.3}	11.5	16.7	53649-0374	30
F	E	D	C	キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	極数 NO. OF CXTS.

MODEL NO. 53649-**-74



REVISED EC NO: J2009-0280 DRWN: NAKAMURA CHKD: T. HARUYAMA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY M. NABEI	DATE '04/02/25	TITLE EMBOSSD TAPE PACKAGE FOR 53649-**72 -LEAD FREE-				
		10 OVER 30 UNDER	± ---	CHECKED BY K. TOJO	DATE '04/02/25					
		30 OVER	± ---	APPROVED BY M. SASAO	DATE '04/02/25					
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53649-005		2 OF 2			
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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