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Part Number:

0536490874

Status:

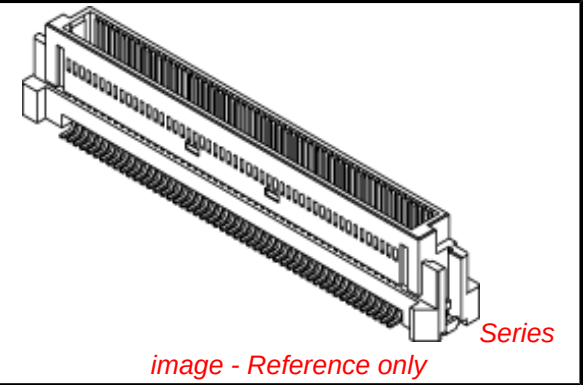
Active

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, 80 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	53649
Application	Board-to-Board
Comments	Stacking-Type
Overview	slimstack_0635mm_025_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	80
Circuits (maximum)	80
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)	0.354 In, 0.591 In
Mated Height (mm)	15.00 mm, 9.00 mm
Material - Metal	Brass, 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)	80
Plating min: Termination (µm)	2
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

53649Series

Mates With

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

Voltage - Maximum

100V

Material Info

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

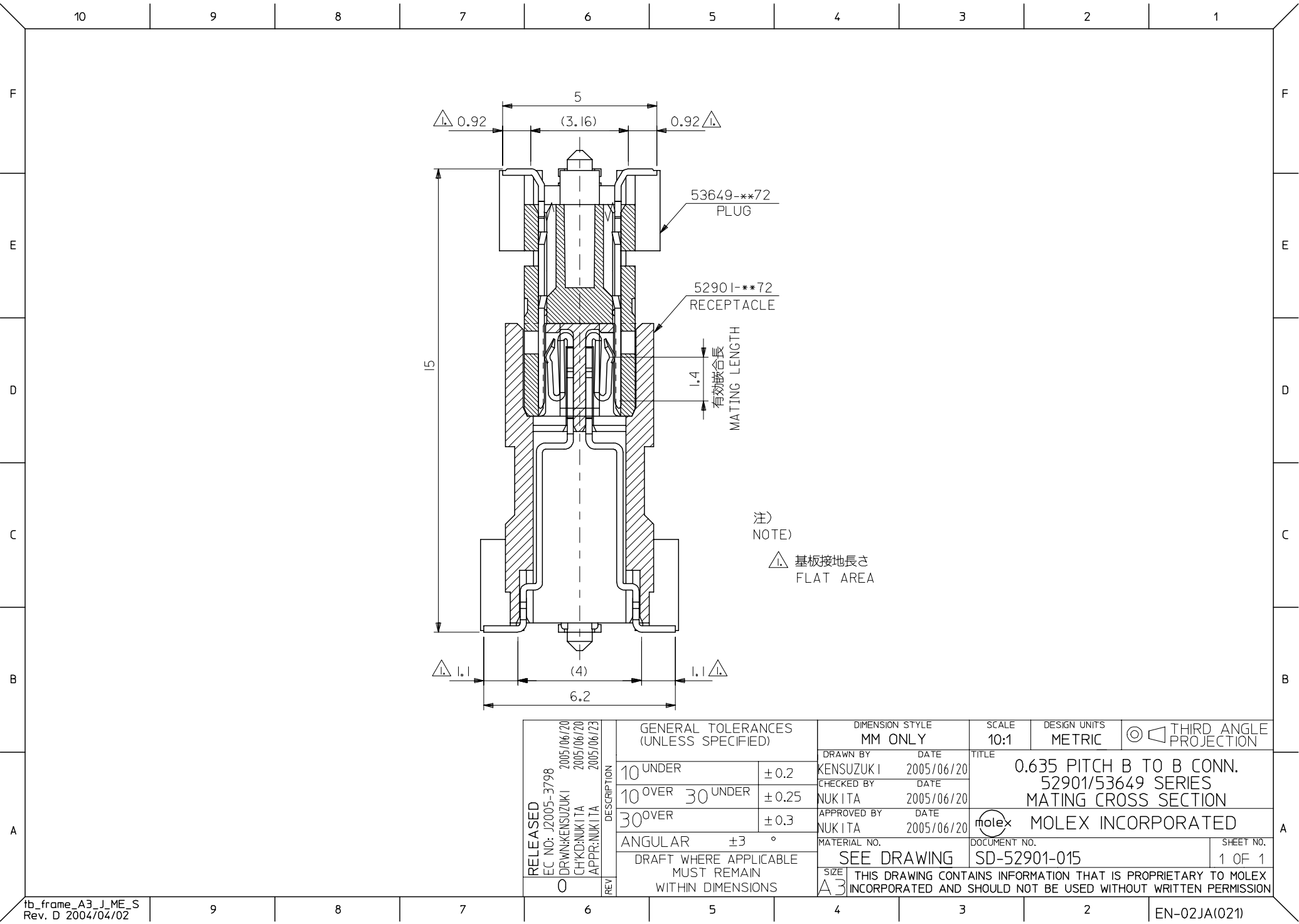
SPK-53649-001

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: NUKITA APPR: NUKITA 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 NUKITA	DATE 2005/06/20				
			30 OVER	± 0.3	APPROVED BY NUKITA	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			

F

E

D

C

B

A

F

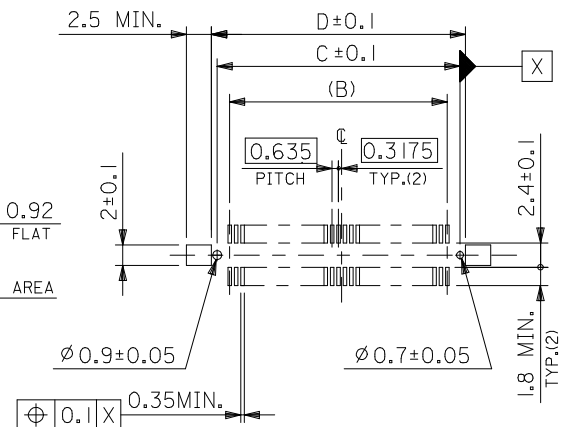
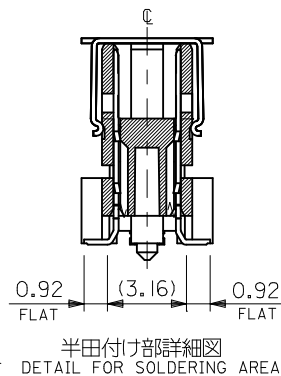
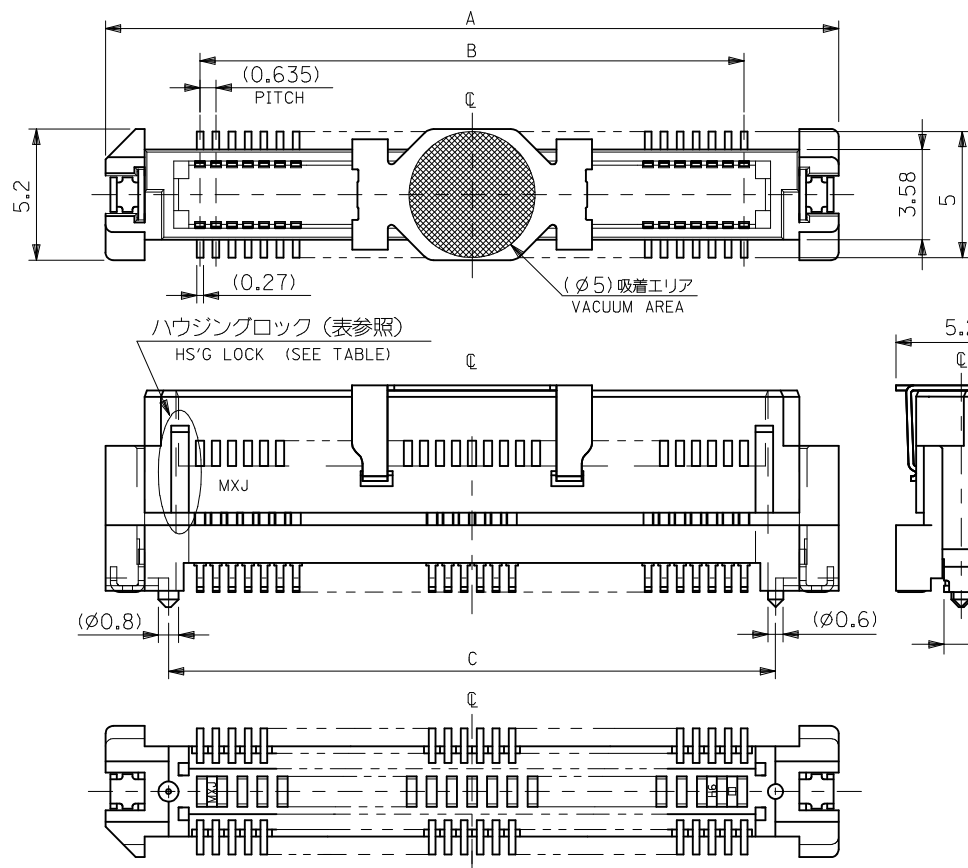
E

D

C

B

A



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

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.

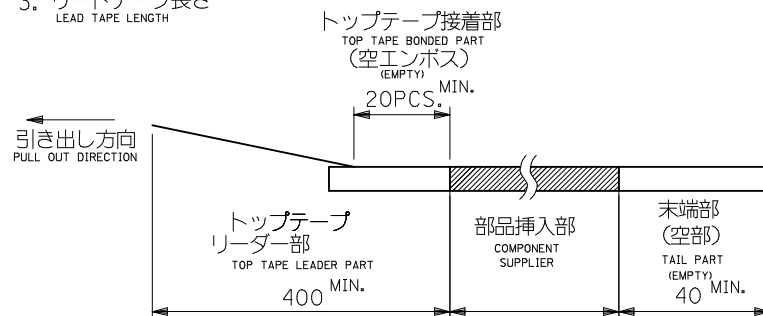
4. 本製品は 53649-***2 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53649-***2

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			

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	DATE '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	DATE '04/02/25					
		30 OVER	± 0.3	M. SASAO	DATE '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						

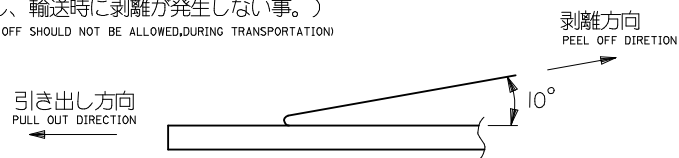
注)
NOTES

- 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

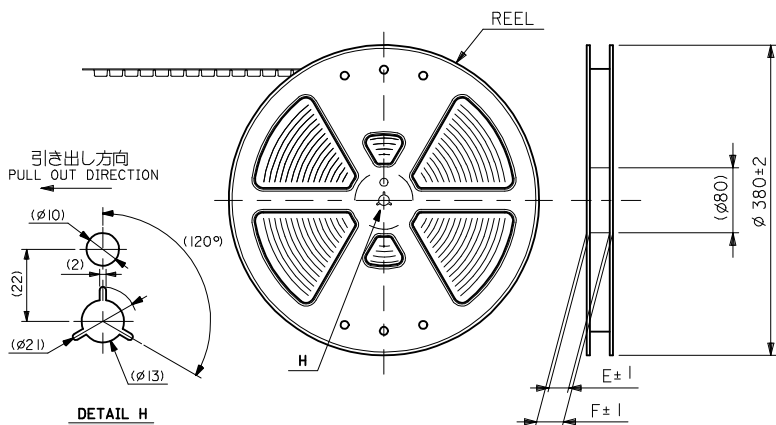


- トッテープの剥離強度 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0.1~1.3N {10~130gf}

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)

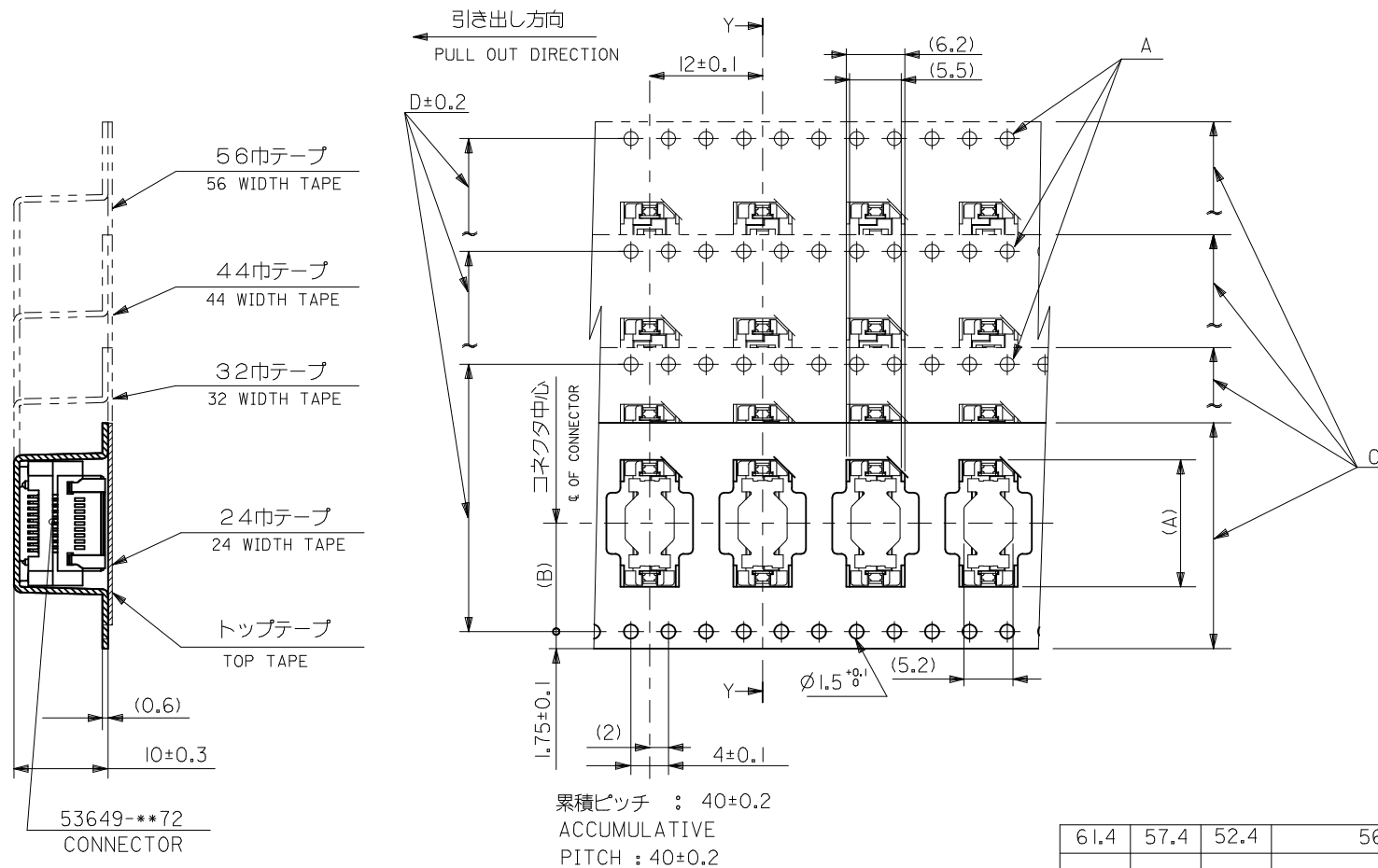


- 材料
MATERIAL
キャリアテープ : ポリプロピレン (PP)
CARRIER TAPE : POLYPROPYLENE (PP)
トッテープ : PET, PE, PEF
TOP TAPE : PET, PE, PEF
リール : 紙
REEL : CARD BOARD
- 本製品は 53649-***4 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53649-***4



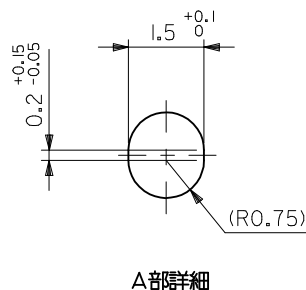
REVISED EC NO.: J2009-0280 DRWN: NAKAMURA CHKD: T. HARUYAMA APPR: NUKITA	DESCRIPTION 2008/08/01 2008/08/01 2008/12/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY M. NABEI	DATE '04/02/25	TITLE EMBOSSED 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	MOLEX MOLEX INCORPORATED				
		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							

10 9 8 7 6 5 4 3 2 1



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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