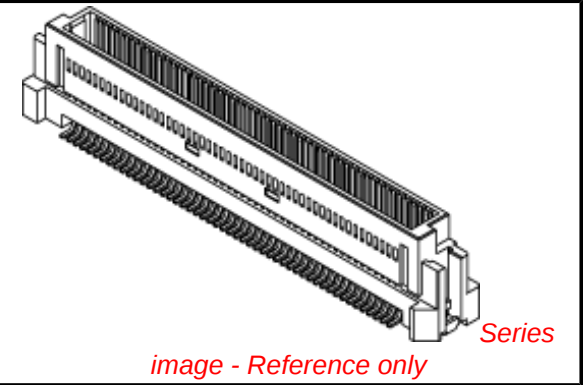


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0536490674](#)
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, 60 Circuits, with Embossed Tape with Cover Packaging



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

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)	60
Circuits (maximum)	60
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	Yes
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
Halogen-Free

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

Product Specification

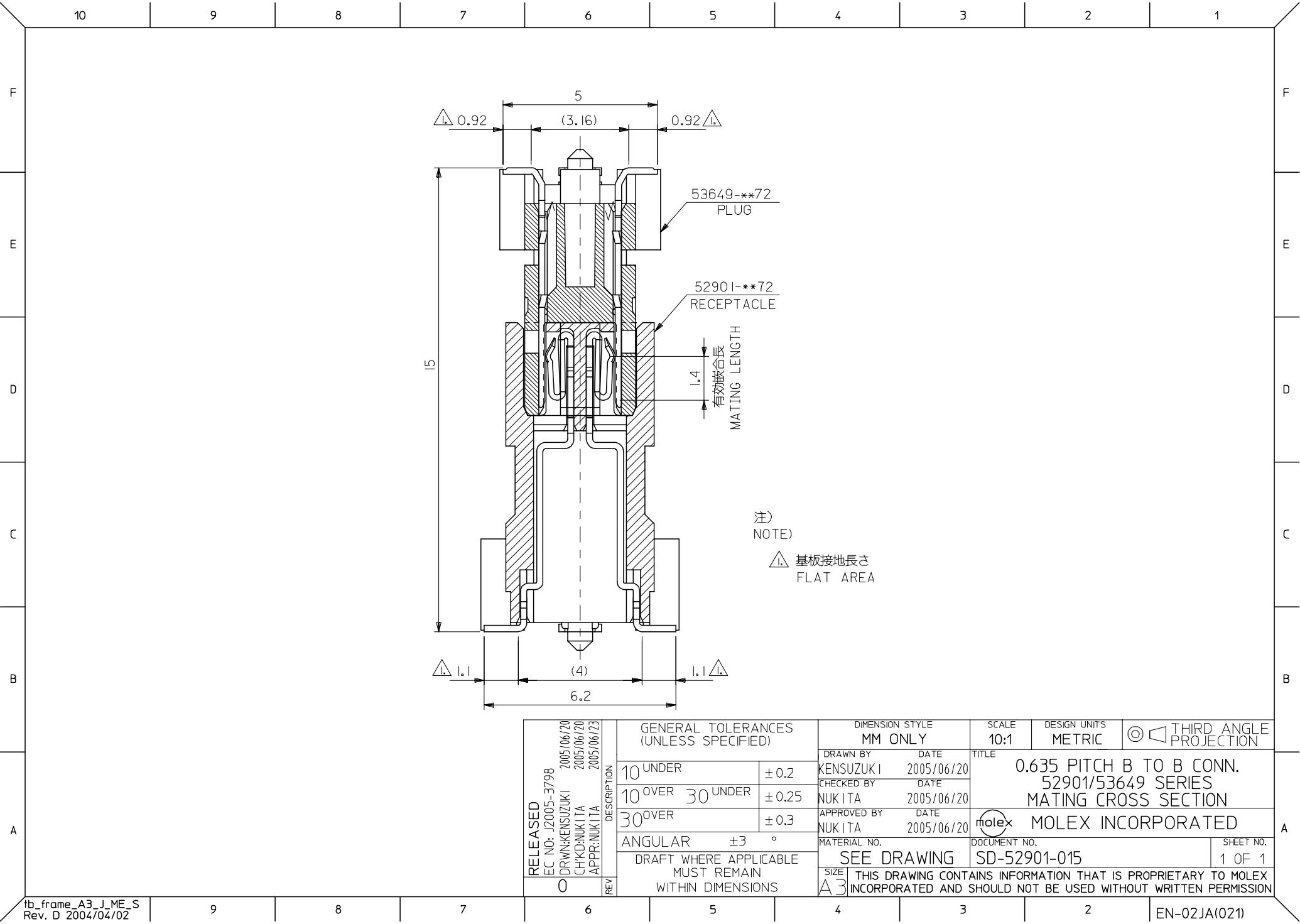
RPS-52760-017

Sales Drawing

SD-52901-015, SD-53649-005

This document was generated on 05/26/2010

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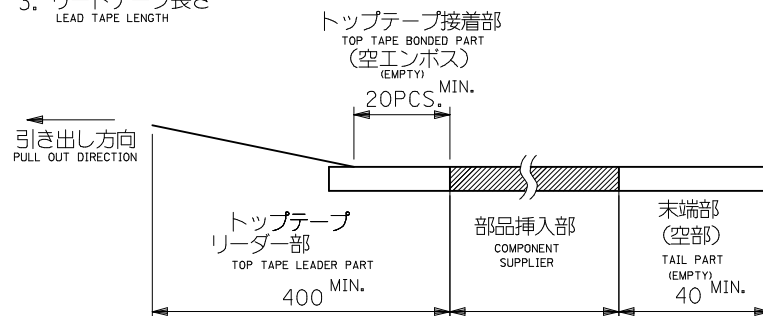


注)
NOTE)
△ 基板接地長さ
FLAT AREA

RELEASED EC NO: J2005-3798 DRWN: KENSUZUKI CHKD: NUKITA APPR: NUKITA 0	DESCRIPTION REV 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		10:1	METRIC			
		10 UNDER	± 0.2	DRAWN BY	DATE	TITLE 0.635 PITCH B TO B CONN. 52901/53649 SERIES MATING CROSS SECTION				
		10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE					
		30 OVER	± 0.3	APPROVED BY	DATE	MOLEX INCORPORATED				
		ANGULAR	± 3 °	NUKITA	2005/06/20					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE DRAWING		DOCUMENT NO. SD-52901-015		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		

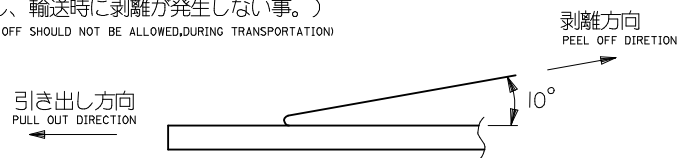
注)
NOTES

- 製品番号 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

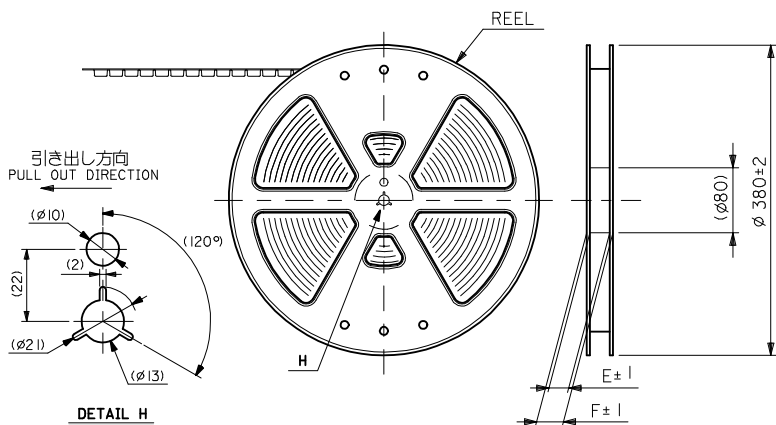


- トップテープの剥離強度 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0.1~1.3N {10~130gf}

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 DRAWN: NAKAMURA CHK'D: 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 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					
		ANGULAR ± --- °		MATERIAL NO. SEE SHEET 2 OF 2		DOCUMENT NO. SD-53649-005		SHEET NO. 1 OF 2		
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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

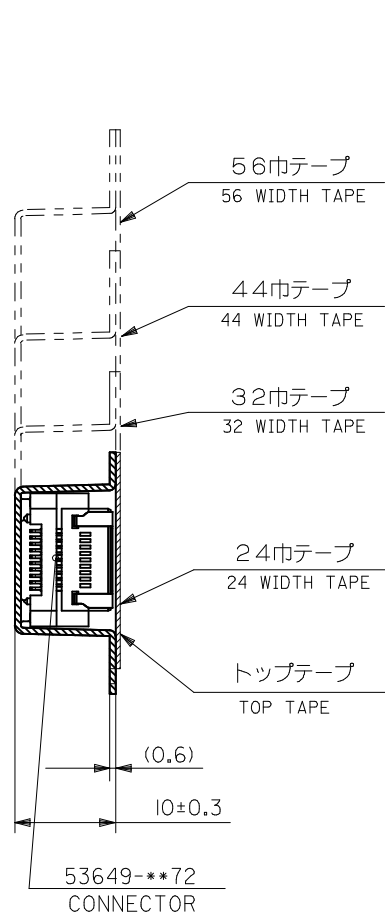
E

D

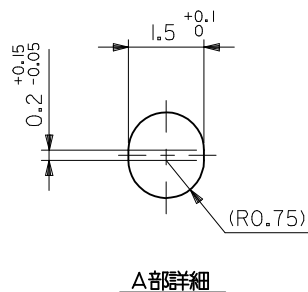
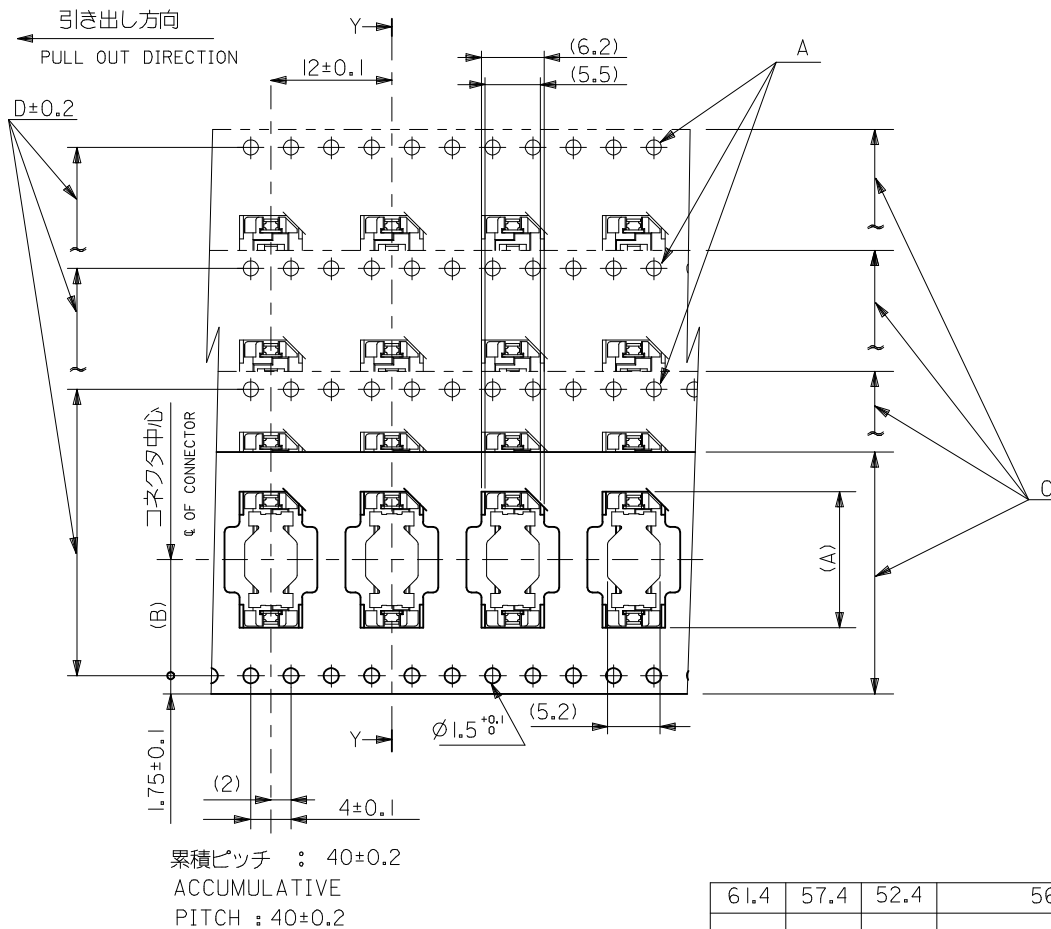
C

B

A



断面 Y-Y
SECTION Y-Y



A部詳細

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.				
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53649-005		2 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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