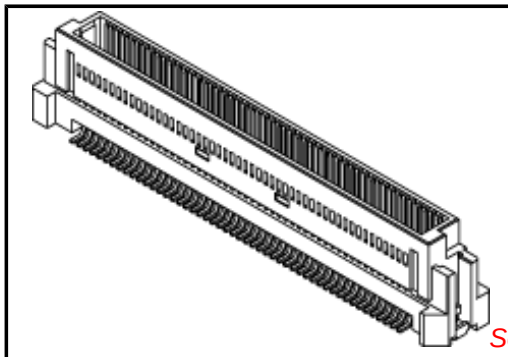
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0536490374
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, 30 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	53649
Application	Board-to-Board
Comments	Stacking-Type
Overview	slimstack_0635mm_025_pitch
Product Name	SlimStack™

Physical

Breakaway	No
Circuits (Loaded)	30
Circuits (maximum)	30
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

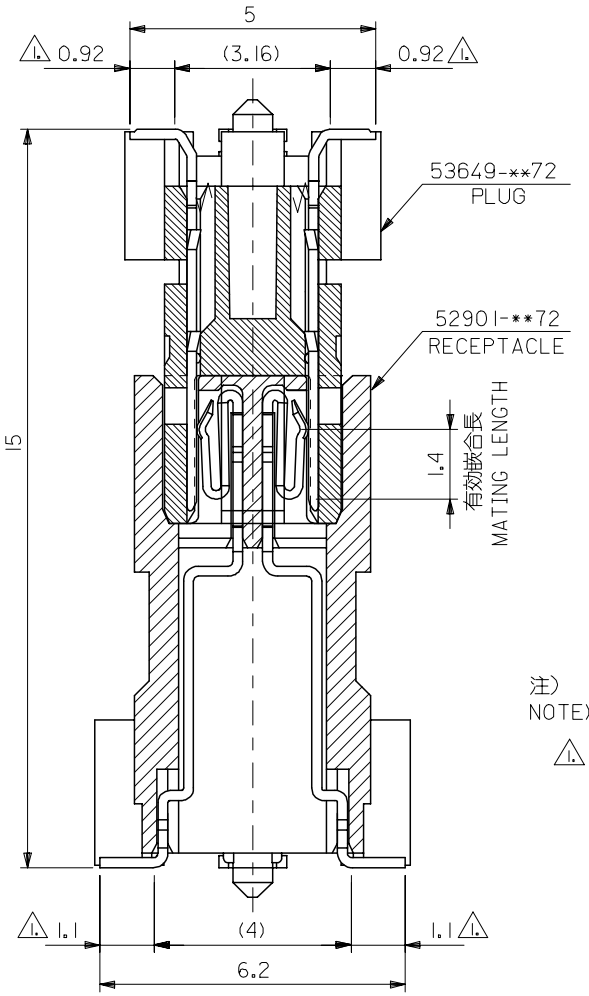
Voltage - Maximum	100V

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-53649-001
Product Specification	PS-52760-015, RPS-52760-017, RPS-52760-018, RPS-52760-020, RPS-52760-021, RPS-52760-029, RPS-52901-010
Sales Drawing	SD-52901-015, SD-53649-004, SD-53649-005

This document was generated on 05/26/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



注)
NOTE)

1. 基板接地長さ
   FLAT AREA

RELEASED	EC NO: J2005-3798	2005/06/20	
	DRWN:KENSUZUKI	2005/06/20	DESCRIPTION
	CHKD:NUKITA	2005/06/23	
	APPR:NUKITA		
0			REV

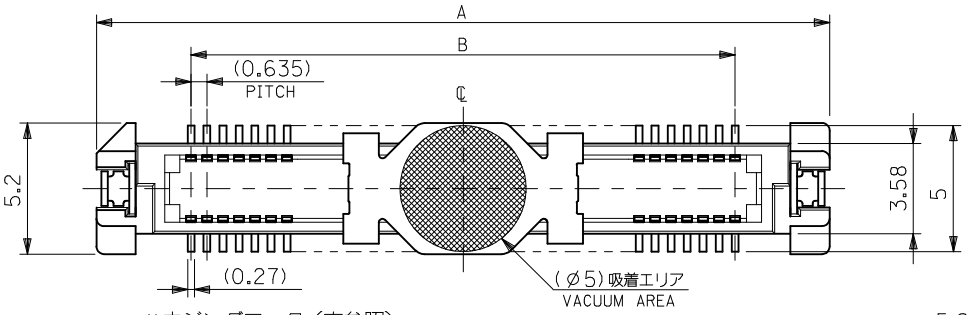
GENERAL TOLERANCES (UNLESS SPECIFIED)

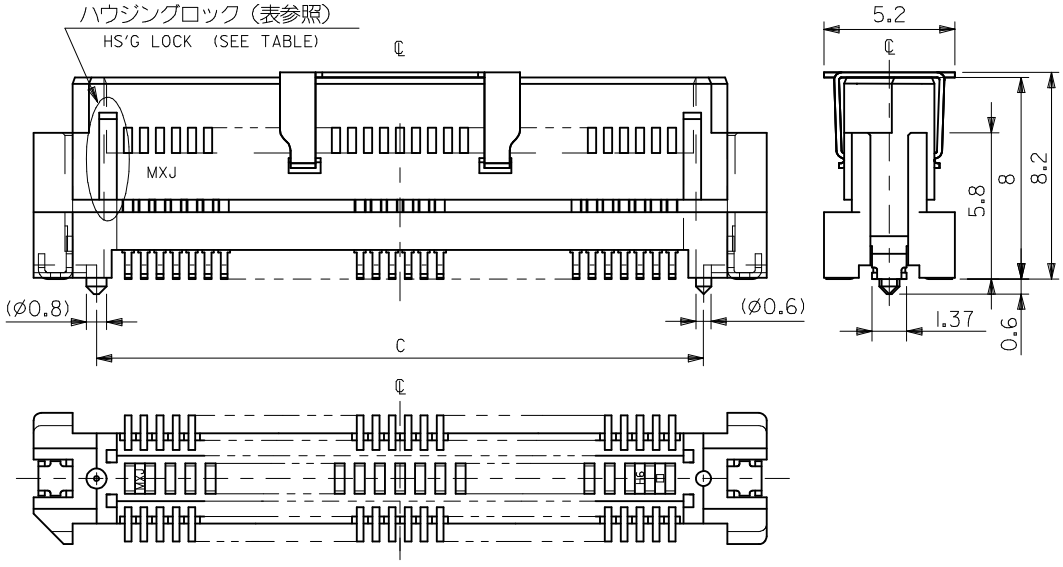
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

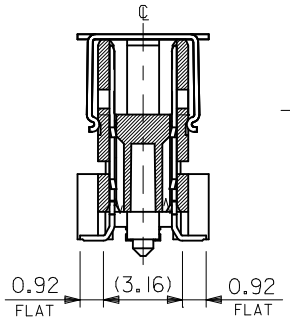
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 10:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: KENSUZUKI	DATE: 2005/06/20	TITLE: 0.635 PITCH B TO B CONN. 52901/53649 SERIES MATING CROSS SECTION	
CHECKED BY: NUKITA	DATE: 2005/06/20		
APPROVED BY: NUKITA	DATE: 2005/06/20	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE DRAWING		DOCUMENT NO.: SD-52901-015	SHEET NO.: 1 OF 1
SIZE: A3			

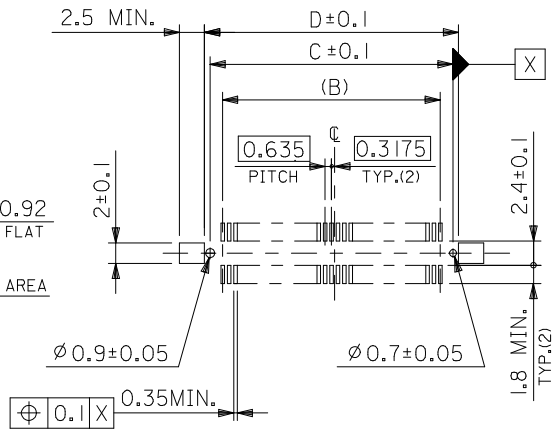
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION







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 ０.２５μｍＭＩＮ.
半田付け部：錫メッキ 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.

3. テールのバラツキ寸法
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	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:NAKAMURAA	2008/08/01		
	CH'KD:T.HARUYAMA	2008/08/01		
	APPR:NUKITA	2008/12/19		
REV	D			

DESCRIPTION

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

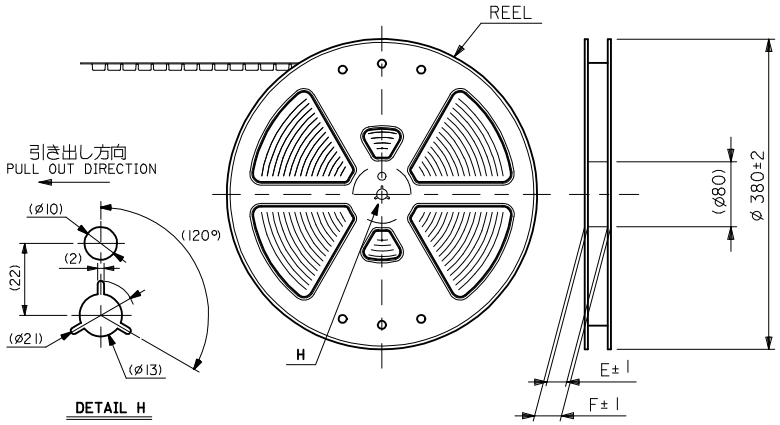
DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION

DRAWN BY: M.NABEI	DATE: '04/02/25
CHECKED BY: K.TOJO	DATE: '04/02/25
APPROVED BY: M.SASAO	DATE: '04/02/25
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-53649-004
SIZE: A3	SHEET NO.: 1 OF 1

TITLE: 0.635 B/B CONN. PLUG HS'G COVER ASS'Y -LEAD FREE-

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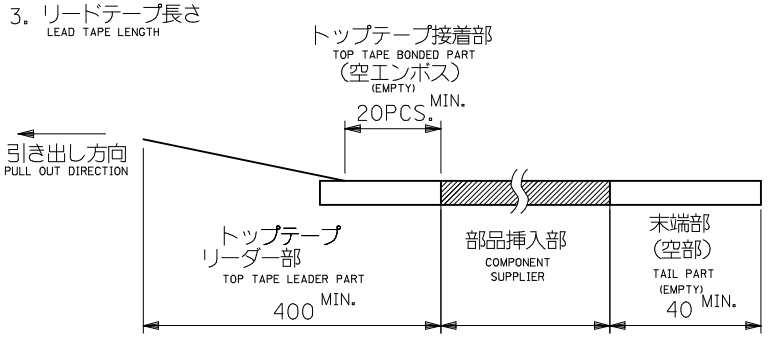


注)
NOTES

1. 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

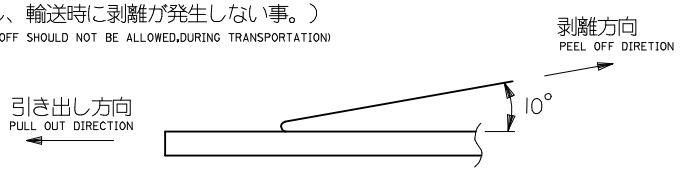
2. 梱包数量 ： 760 個／リール
NUMBER OF CONNECTORS : 760 PCS/REEL

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

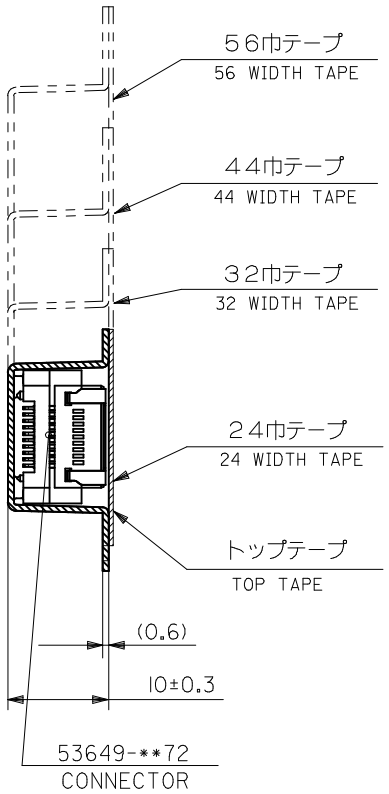
REVISED	EC NO: J2009-0280	DRWN:NAKAMURAA	CH'KD:T. HARUYAMA	APPR:NUKITA	DESCRIPTION	REV
		2008/08/01	2008/08/01	2008/12/19		C

GENERAL TOLERANCES (UNLESS SPECIFIED)

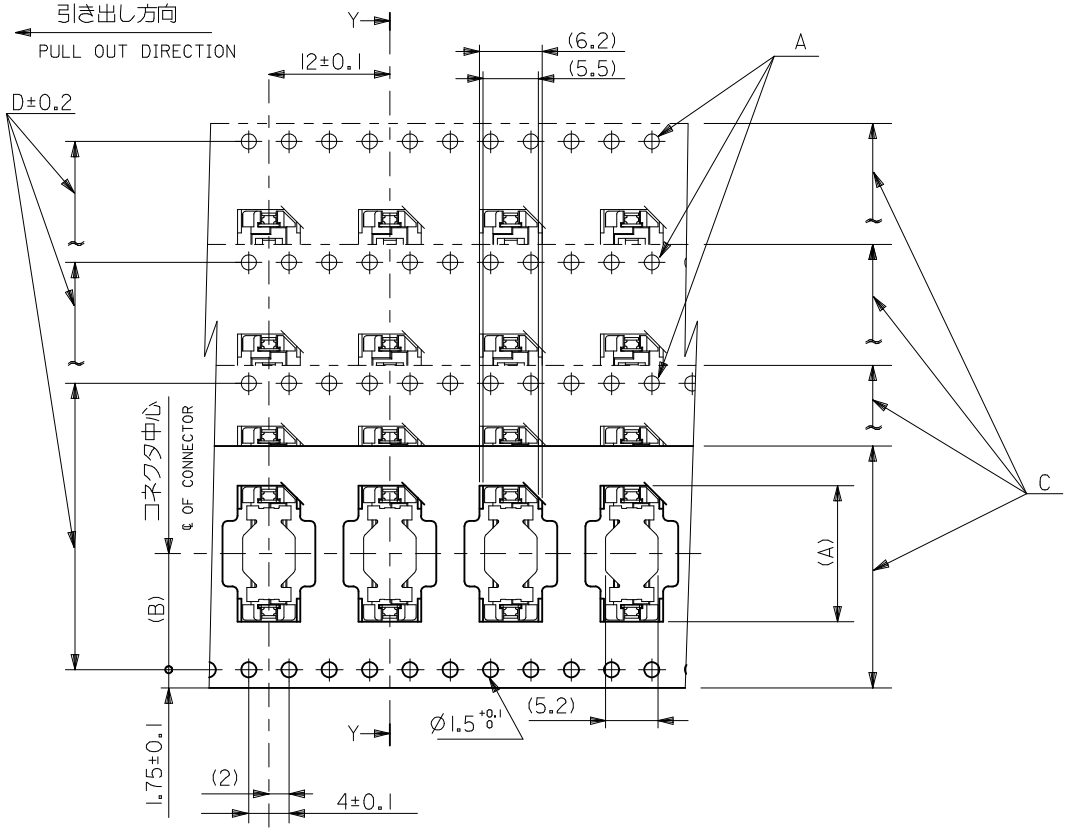
10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR ±--- °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

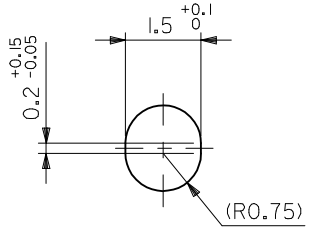
DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: M.NABEI DATE: '04/02/25	TITLE: EMBOSSED TAPE PACKAGE FOR 53649-**72 -LEAD FREE-		
CHECKED BY: K.TOJO DATE: '04/02/25			
APPROVED BY: M.SASAO DATE: '04/2/25	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE SHEET 2 OF 2	DOCUMENT NO.: SD-53649-005	SHEET NO.: 1 OF 2	
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



累積ピッチ ： 40±0.2
ACCUMULATIVE
PITCH : 40±0.2



A部詳細

F	E	D	C キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	MATERIAL NO.	極数 NO. OF CKTS.
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

MODEL NO. 53649-**74

REVISED
EC NO: J2009-0280 2008/08/01
DRWN:NAKAMURAA 2008/08/01
CH'KD:T. HARUYAMA 2008/12/19
APPR:NUKITA
DESCRIPTION
REV 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: M.NABEI DATE: '04/02/25
CHECKED BY: K.TOJO DATE: '04/02/25
APPROVED BY: M.SASAO DATE: '04/02/25

TITLE: EMBOSSED TAPE PACKAGE FOR 53649-**72 -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-53649-005
SHEET NO.: 2 OF 2

SIZE A3

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