

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0529010874

Status:

Active

Description:

0.635mm (.025") Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical Stacking, 11.00 to 16.00mm (.433 to .630") Stacking Heights, Embossed Tape with Cover Packaging, 80 Circuits, Lead-free

Documents:	
3D Model	Product Specification PS-52760-015 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
UL	E29179
General	
Product Family	PCB Receptacles
Series	52901
Application	Board-to-Board
MolexKits	Yes
Product Name	SlimStack™
Physical	
Circuits (Loaded)	80
Color - Resin	White
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Mated Height (mm)	11.00 mm, 12.00 mm, 13.00 mm, 14.00 mm, 15.00 mm, 16.00 mm
Material - Metal	Phosphor Bronze
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	Pick and Place Cap
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-52901-001
Product Specification	PS-52760-015, RPS-52760-017, RPS-52760-018, RPS-52760-020, RPS-52760-021, RPS-52760-028, RPS-52760-029, RPS-52901-010
Sales Drawing	SD-52901-008, SD-52901-009, SD-52901-015

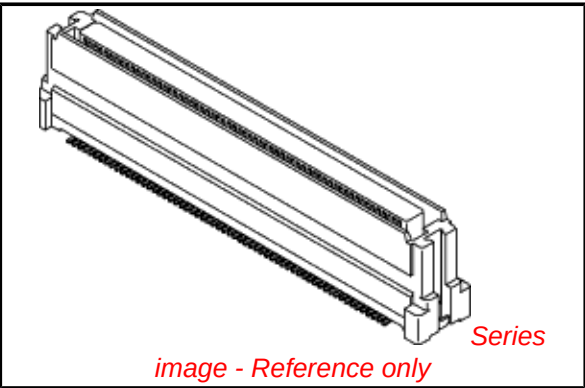


image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

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

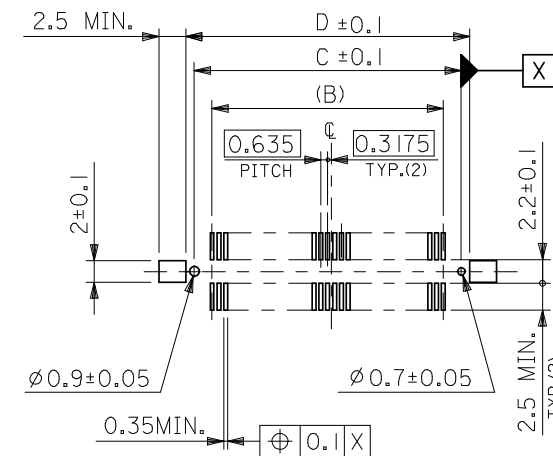
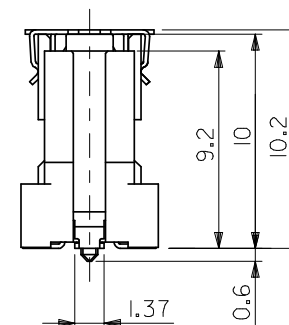
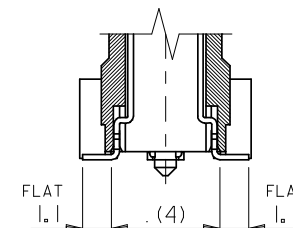
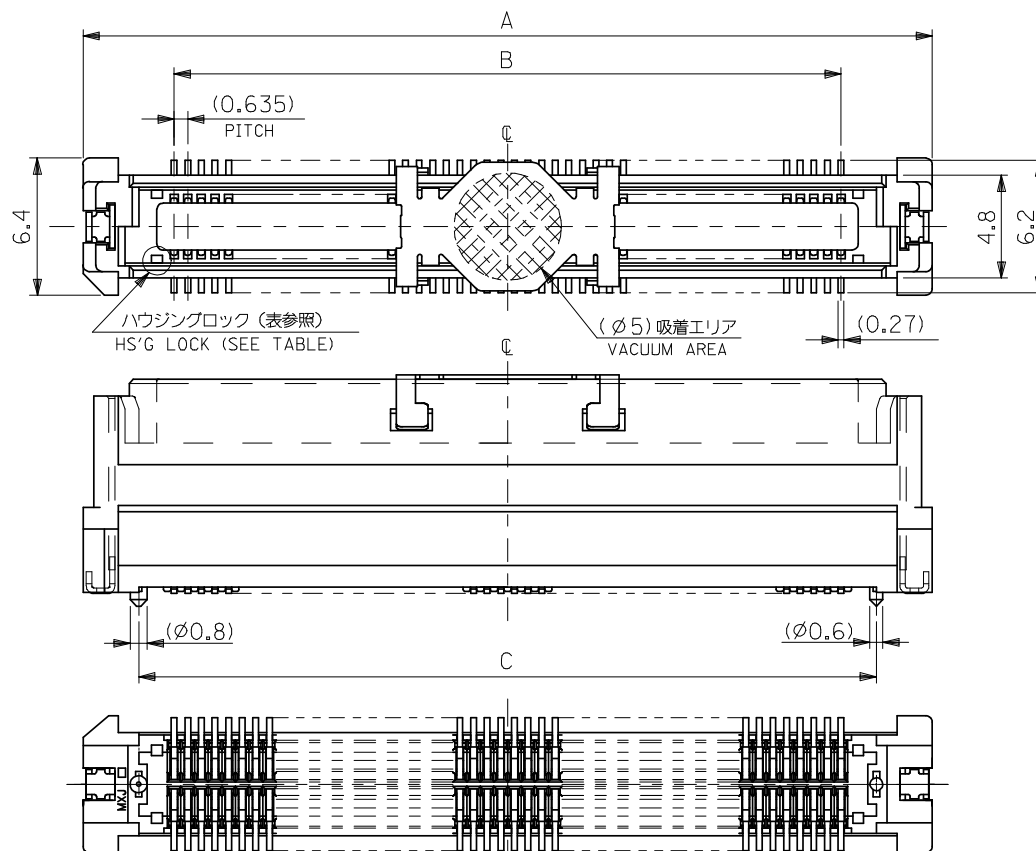
52901Series

Mates With

53475 , 53643 , 55091 , 53481 , 53625 ,, 53551 , 53647 , 53552 , 53649 , 53553 , 53627

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



RECOMMENDED PCB PATTERN LAYOUT

注)
NOTES

1. 材質
MAT

材質
MATERIAL

ハウジング: ガラス入り LCP、白色、UL 94V-0
HOUSING: G E LCP WHITE UL 94V-0

HOUSING:G.F.LCP,WHITE,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

補強金目 : 銅合金 (± 0.25)

補強金具 : 銅合金 ($t=0.25$)

FITTING NAIL:COPPER ALLOY

2. メツキ仕様
PLATING

ターミナル： 接点部 : 金メッキ 0.25 μmMIN.
TERMINAL : CONTACT AREA: GOLD 0.25 μmMIN.

TERMINAL : CONTACT AREA:GOLD 0.25 μ mMIN.
半田付け部:錫メッキ 1 μ mMIN.

SOLDER TAIL AREA:TIN | ummin-

SOLDER TAIL AREA: TIN 1 μMMIN.
下地メッキ・ニッケルメッキ 2 μMMIN.

UNDER PLATING-NICKEL 2 μ mMIN.

UNDER-PLATING:NICKEL 2 μ M M I N.

補助金具： 錫メッキ 10マイクロメートル以上

FITTING NAIL : OVER PLATING TIN 10 MICROMETER MINIMUM

下地×…キ、ニ…ケル、×…キ、10ミイタロ、×

UNDER PLATING NICKEL 1.0 MICROMETER A

UNDER PLATING NICKEL 1.0 MICROMETER M

テールのバラツキ寸法

TAIL COPLANARITY

三、非平面度は 0.1 MAY とする

テール平坦度は、0.1 MAX.とする。
TAILS COPLANARITY TO BE 0.1 MAX.

TAILS COPLANARITY TO BE 0.IMAX.

エンボス対応済みの極数については、SD-52901-009

FOR THE EMBOSSED PACKAGE PRODUCTS,SEE SD-52901-0

木製品は 53901-***3 の鉛フリス品である

本製品は 52901-***2 の鉛フリー品のため

THIS PRODUCT IS LEAD FREE OF 52901-***2.

THIS PRODUCT IS LEAD FREE BY DESIGN.

--	--	--

9	8	
---	---	--

無し NO	48.72	47.12	43.815	52.32	52901-1474	52901-1475	52901-1472	140	○
	42.37	40.77	37.465	45.97	▲ -1274	▲ -1275	▲ -1272	120	○
	36.02	34.42	31.115	39.62	-1074	-1075	-1072	100	○
	32.85	31.25	27.94	36.45	-0974	-0975	-0972	90	○
	29.67	28.07	24.765	33.27	-0874	-0875	-0872	80	○
有り YES	26.5	24.9	21.59	30.1	-0774	-0775	-0772	70	○
	23.32	21.72	18.415	26.92	-0674	-0675	-0672	60	○
	16.97	15.37	12.065	20.57	-0474	-0475	-0472	40	○
	13.8	12.2	8.89	17.4	▼ -0374	▼ -0375	▼ -0372	30	○
	10.62	9.02	5.715	14.22	52901-0274	52901-0275	52901-0272	20	○
ハウジングロック H'S'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.	量対応 AVAILABLE
					ORDER No.	オーダー番号			

REVISED	EC NO.: J2008-4316	DRAWN: NABEI	2008/06/19	CH'KD: THARUYAMA	2008/06/23	APPR: NUKITA	2008/06/23	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
									10 UNDER	± 0.2	DRAWN BY M. NINOMIYA	DATE '04/03/04	TITLE 0.635 PITCH B-TO-B CONN. REC. HS'G COVER ASS'Y -LEAD FREE-			
									10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE '04/03/04				
									30 OVER	± 0.3	APPROVED BY M. SASAO	DATE '04/03/04				
									ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
REV	B	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52901-008		1 OF 1								
		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

注)
NOTES

1. 製品番号 52901-***72 の詳細寸法については、SD-52901-008 を参照下さい。
IN THE PACKAGE , PART NO.52901-***72 DETAILED DIMENSIONS , SEE SD-52901-008

2. 梱包数量 : 440 個/リール
NUMBER OF CONNECTORS : 440 PCS/REEL

3. リードテープ長さ
LEAD TAPE LENGTH

トップテープ接着部
TOP TAPE BONDED PART
(空エンボス)
(EMPTY)
MIN.
20PCS

引き出し方向
PULL OUT DIRECTION

トップテープリーダー部
TOP TAPE LEADER PART

部品挿入部
COMPONENT
SUPPLIER

末端部(空部)
TAIL PART(EMPTY)

400MIN.

40 MIN.

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. 1N~1. 3N {10gf~130gf} : キャリアテープ幅24mm~72mm
CARRIER TAPE WIDTH 24mm~72mm

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)

剥離方向
PEEL OFF DIRECTION

引き出し方向
PULL OUT DIRECTION

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

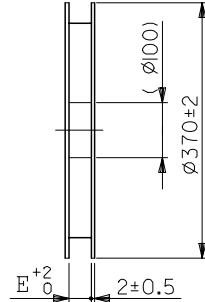
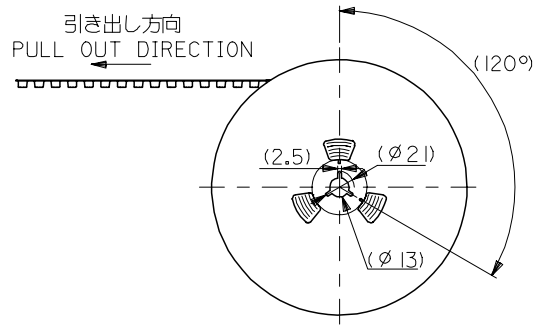
リール : 紙

REEL : CARD BOARD

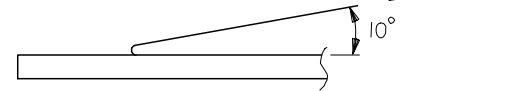
6. 本製品は 52901-***4 の鉛フリー品である。

THIS PRODUCT IS LEAD FREE OF 52901-***4.

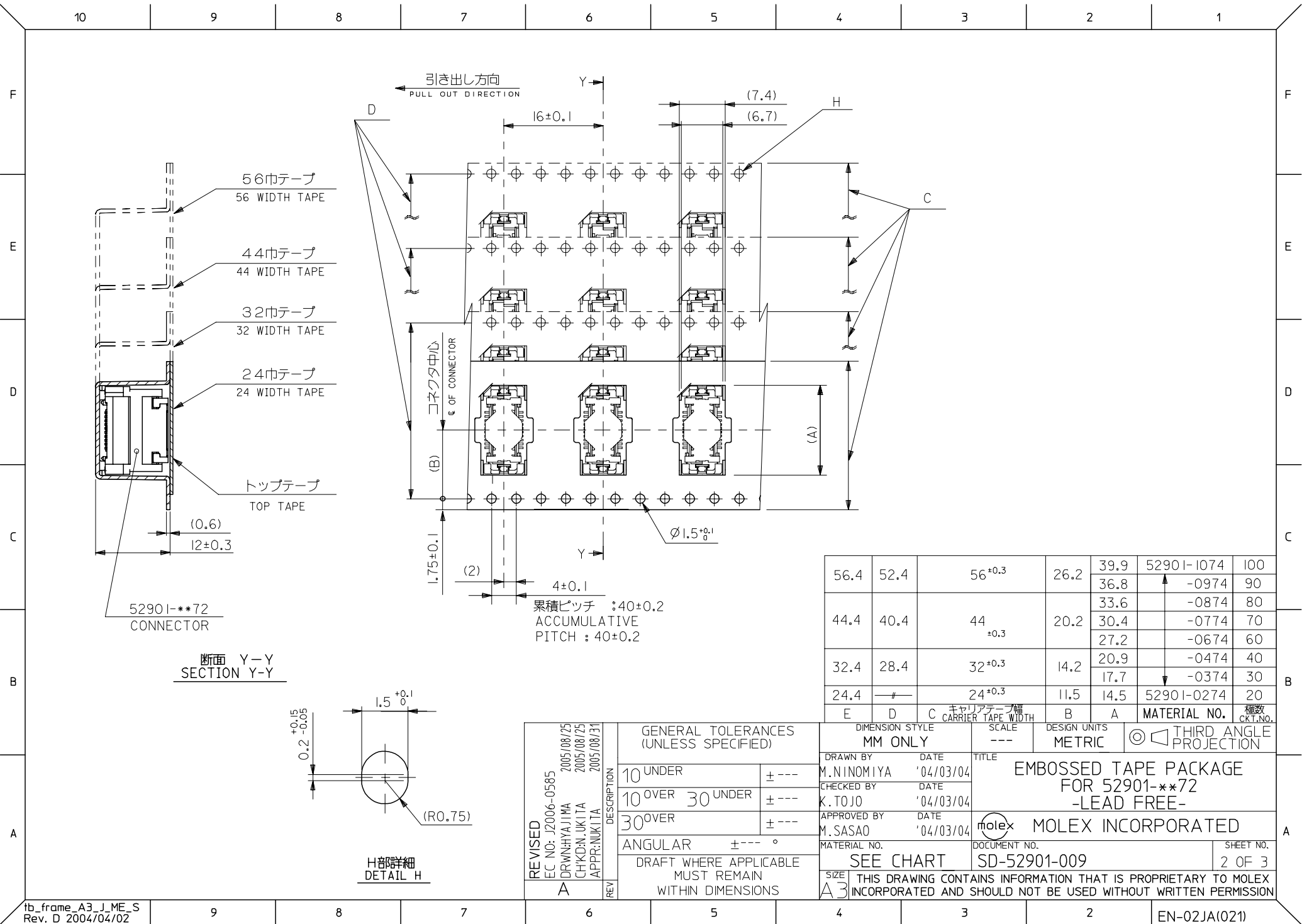
引き出し方向
PULL OUT DIRECTION

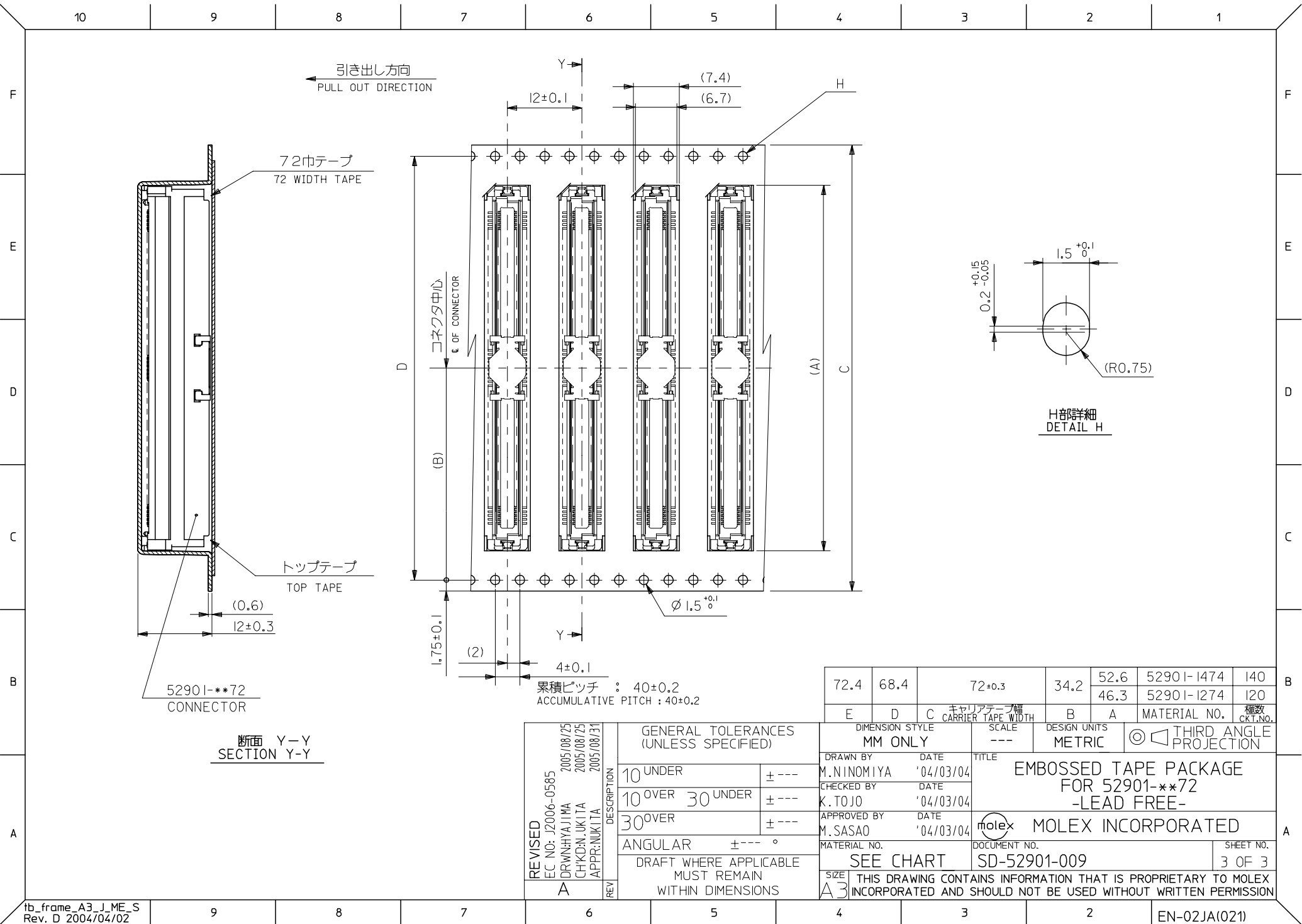


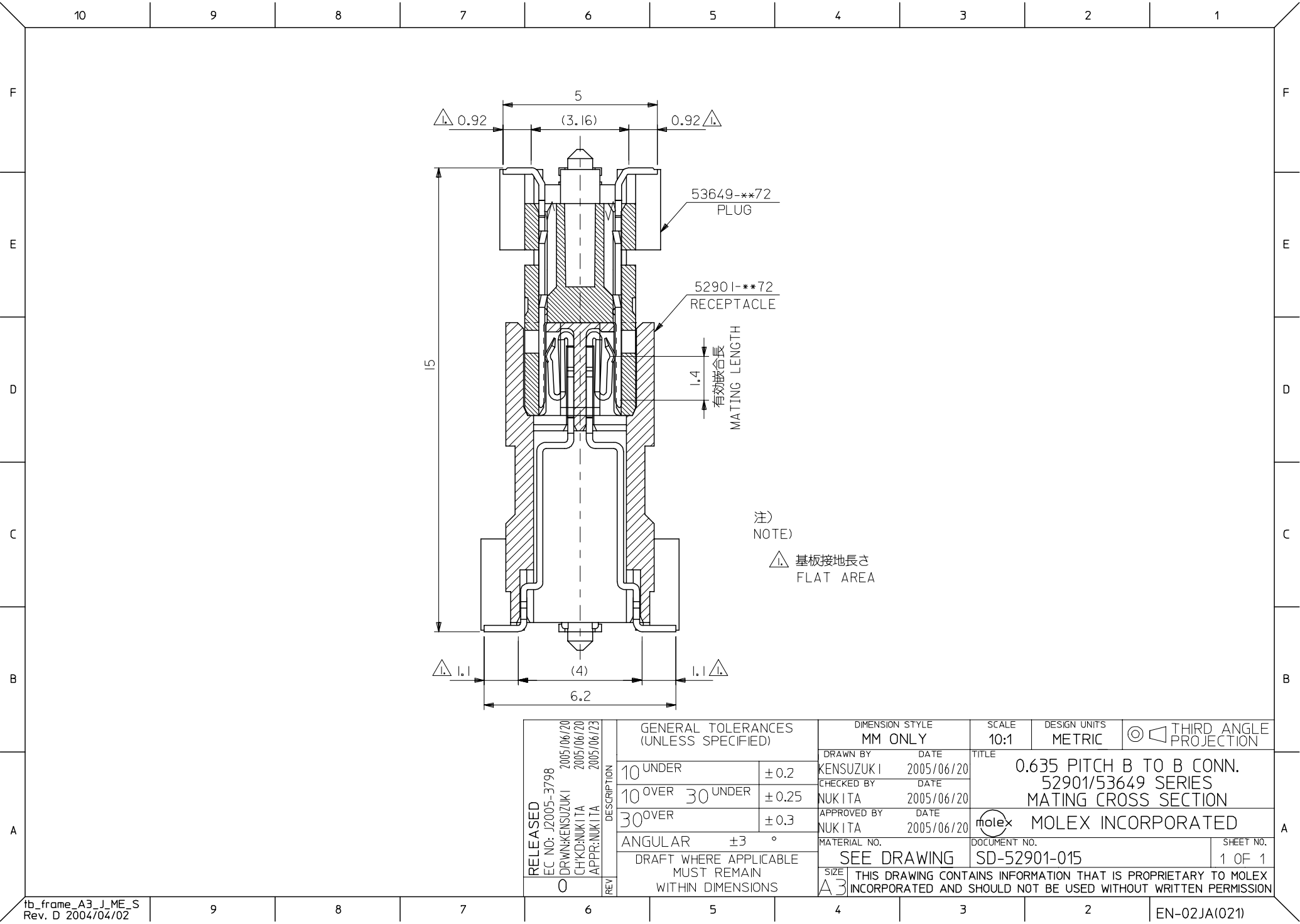
引き出し方向
PULL OUT DIRECTION



REVISED EC NO: J2006-0585 DRW:HYAJI MA CHKDN: UKI TA APPR:NUKI TA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY M.NINOMIYA	DATE '04/03/04	TITLE EMBOSSD TAPE PACKAGE FOR 52901-**72 -LEAD FREE-				
		10 OVER 30 UNDER	± ---	CHECKED BY K.TOJO	DATE '04/03/04					
		30 OVER	± ---	APPROVED BY M.SASAO	DATE '04/03/04	MOLEX INCORPORATED				
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52901-009		1 OF 3			
A	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					







注)
NOTE)

△ 基板接地長さ
FLAT AREA

RELEASED EC NO: J2005-3798 DRWN: KENSUZUKI CHKD: NUKITA APPR: NUKITA 0	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 MOLEX INCORPORATED		
			10 OVER 30 UNDER	± 0.25	CHECKED BY NUKITA	DATE 2005/06/20			
			30 OVER	± 0.3	APPROVED BY NUKITA	DATE 2005/06/20			
			ANGULAR ± 3 °		MATERIAL NO. SEE DRAWING				
			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		