

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0529010774](#)
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, 70 Circuits, Lead-free

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

Agency Certification

UL	E29179
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General

Product Family	PCB Receptacles
Series	52901
Application	Board-to-Board
Product Name	SlimStack™

Physical

Circuits (Loaded)	70
Color - Resin	White
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (mm)	11.00 mm, 12.00 mm, 13.00 mm, 14.00 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

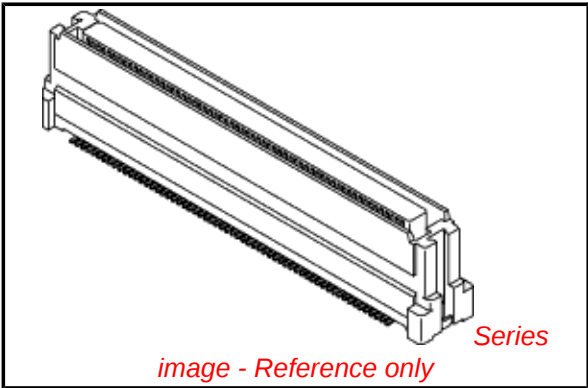
Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	100V

Material Info

Reference - Drawing Numbers

Product Specification	PS-52760-015, RPS-52760-017, RPS-52760-018, RPS-52760-020, RPS-52760-021, RPS-52760-028, RPS-52760-029, RPS-52901-012
Sales Drawing	SD-52901-008, SD-52901-009, SD-52901-015



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

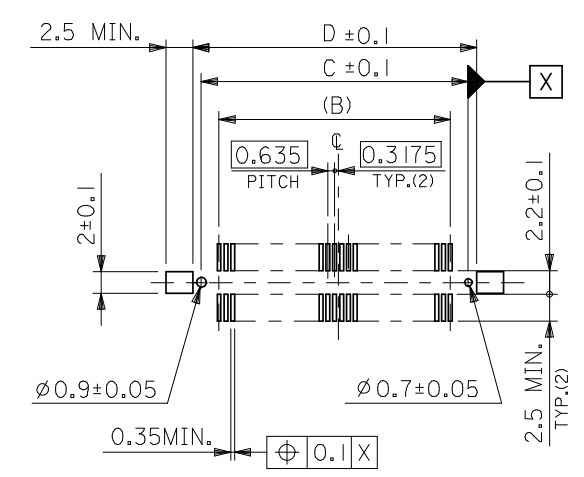
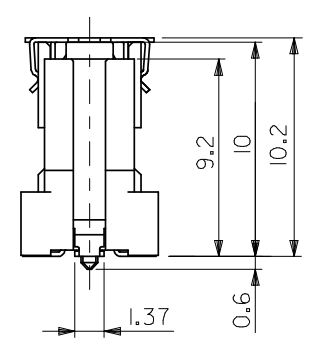
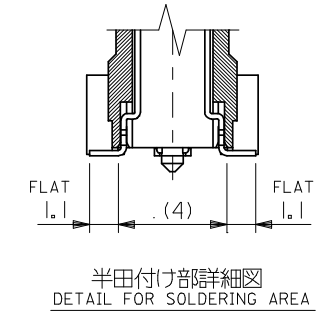
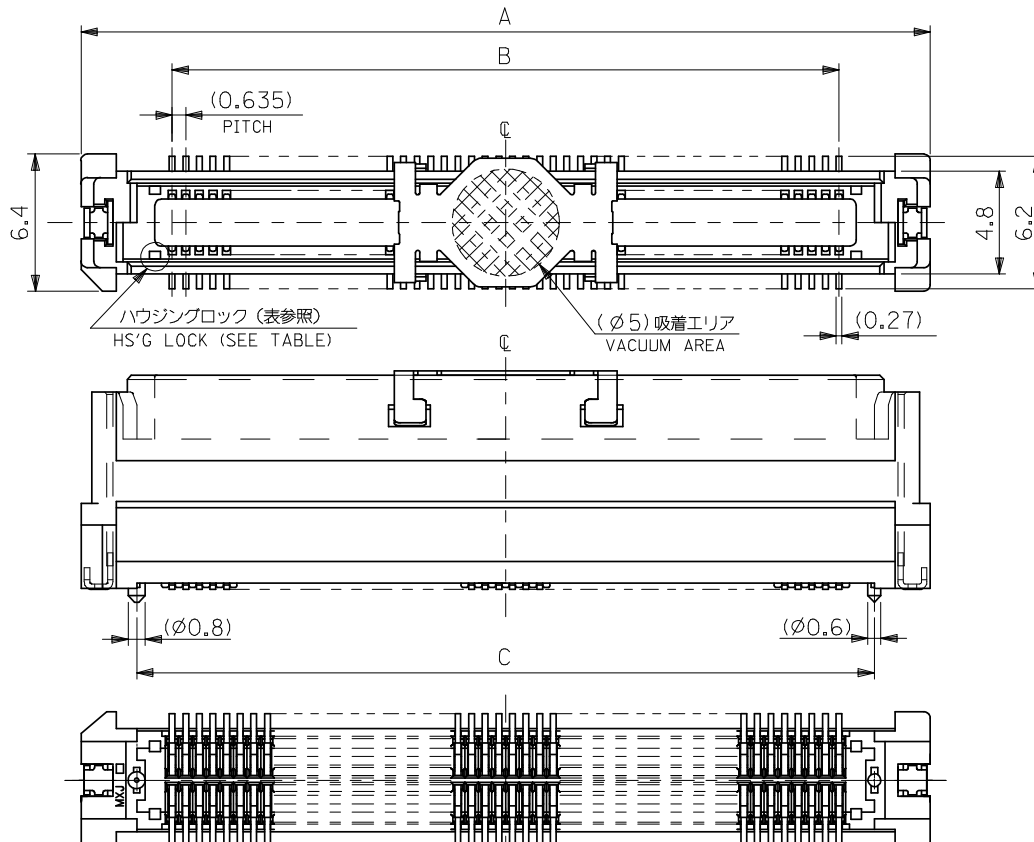
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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](#)

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注) NOTES

- 材質 MATERIAL
ハウジング: ガラス入り LCP、白色、UL94V-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
補強金具: 銅合金 (t=0.25)
FITTING NAIL: COPPER ALLOY
- メッキ仕様 PLATING
ターミナル: 接点部: 金メッキ 0.25 μm MIN.
CONTACT AREA: GOLD 0.25 μm MIN.
半田付け部: 銅メッキ 1 μm MIN.
SOLDER TAIL AREA: TIN 1 μm MIN.
下地メッキ: ニッケルメッキ 2 μm MIN.
UNDER-PLATING: NICKEL 2 μm MIN.
補強金具: 銅メッキ 1.0 マイクロメートル以上
FITTING NAIL: OVER PLATING TIN 1.0 MICROMETER MINIMUM
下地メッキ ニッケルメッキ 1.0 マイクロメートル以上
UNDER PLATING NICKEL 1.0 MICROMETER MINIMUM
- テールのバラツキ寸法 TAIL COPLANARITY
テール平坦度は、0.1 MAX. とする。
TAILS COPLANARITY TO BE 0.1 MAX.
- エンボス対応済みの極数については、SD-52901-009を参照下さい。
FOR THE EMBOSSED PACKAGE PRODUCTS, SEE SD-52901-009.
- 本製品は 52901-***2 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52901-***2.

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.	量産対応 AVAILABLE
					ORDER No.	オーダー番号			

REVISED EC NO: J2008-4316 DRWN: NABEI CHKD: THARUYAMA APPR: NUKITA REV B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		---	METRIC		
		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	molex MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52901-008		1 OF 1	
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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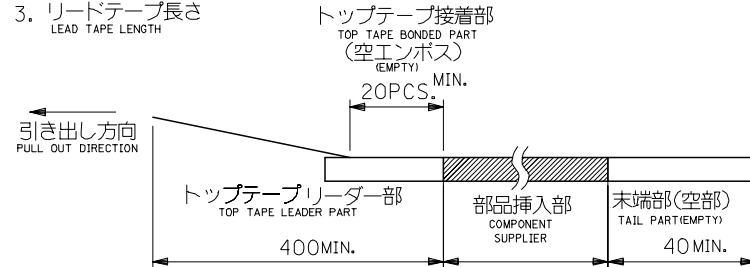
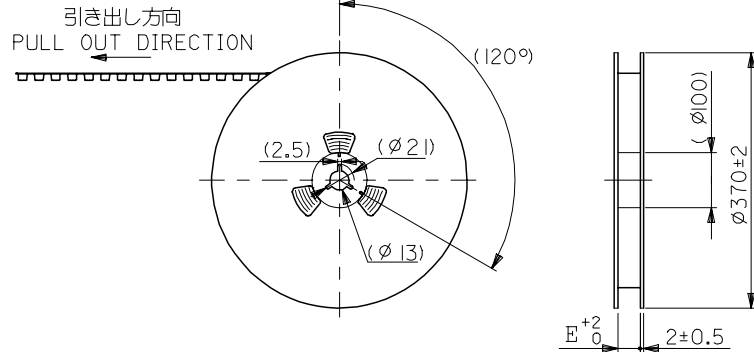
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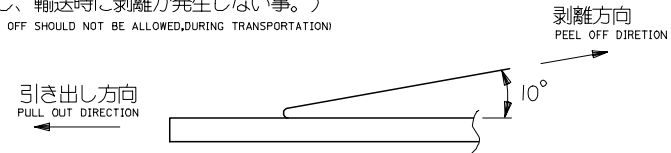
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注)
NOTES

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



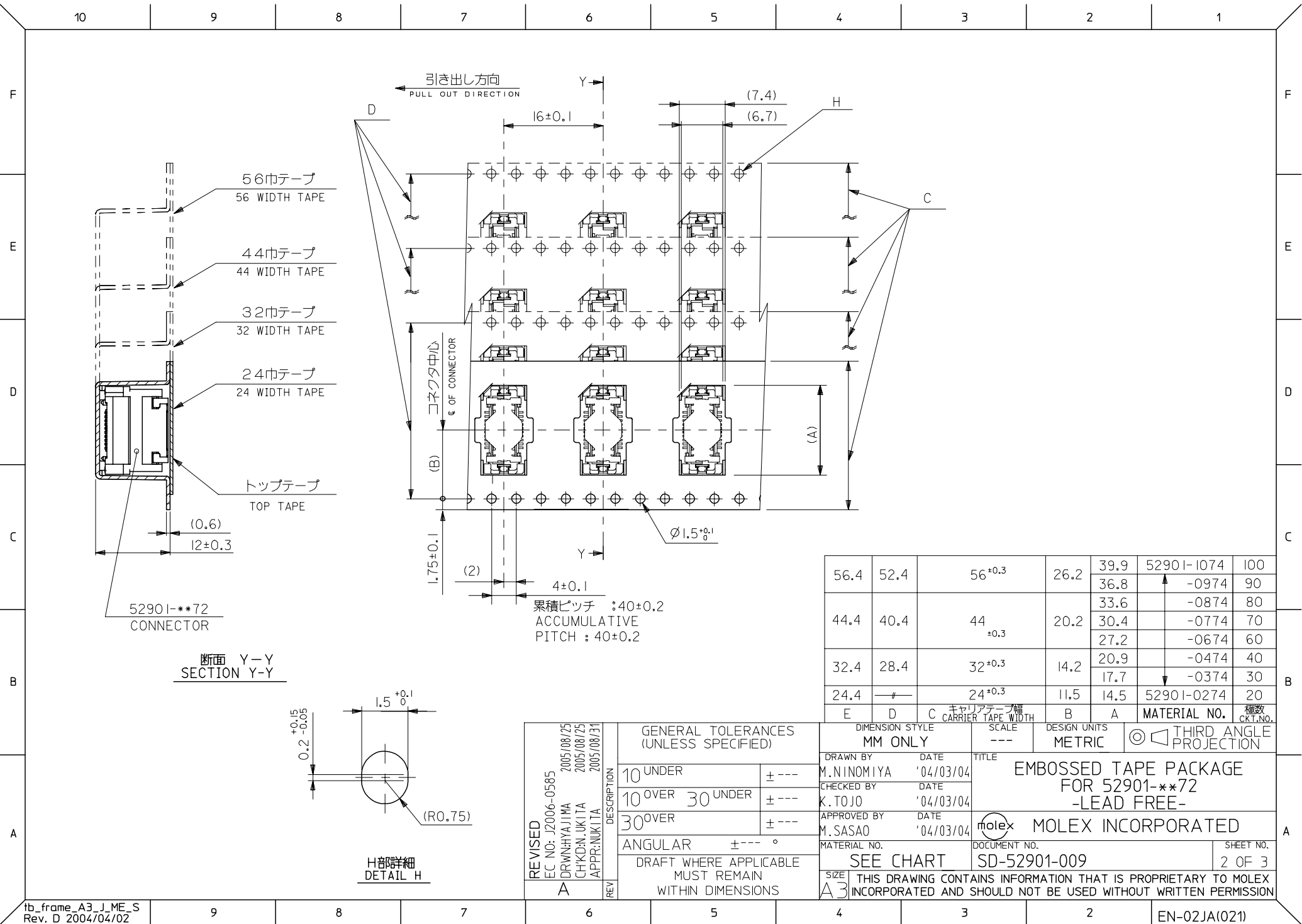
4. トップテープの剥離強度 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
0. 1N~1. 3N {10gf~130gf} : キャリアテープ幅24mm~72mm
CARRIER TAPE WIDTH 24mm~72mm
- 尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED,DURING TRANSPORTATION)

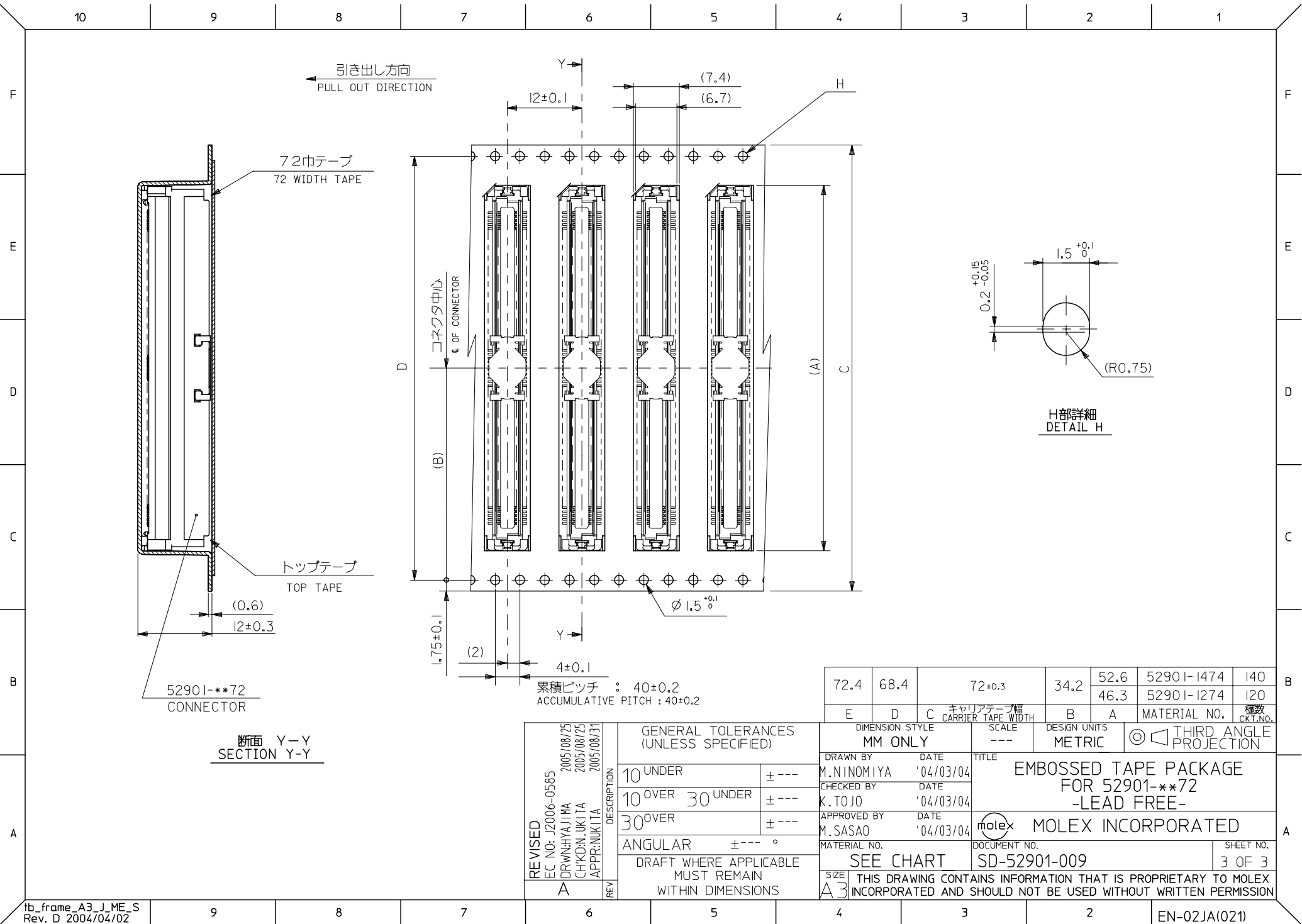


5. 材料
MATERIAL
キャリアテープ : ポリプロピレン (PP)
CARRIER TAPE : POLYPROPYLENE (PP)
トップテープ : PET, PE, PEF
TOP TAPE : PET, PE, PEF
リール : 紙
REEL : CARD BOARD
6. 本製品は 52901-***4 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52901-***4.

52901-***74
MODEL NO.

REVISED EC NO: J2006-0585 DRW:HYAJI MA CHKDN:UKITA APPR:NUKITA	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 EMBOSSSED 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 MOLEX INCORPORATED				
		ANGULAR ± --- °		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-52901-009			SHEET NO. 1 OF 3	
		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						
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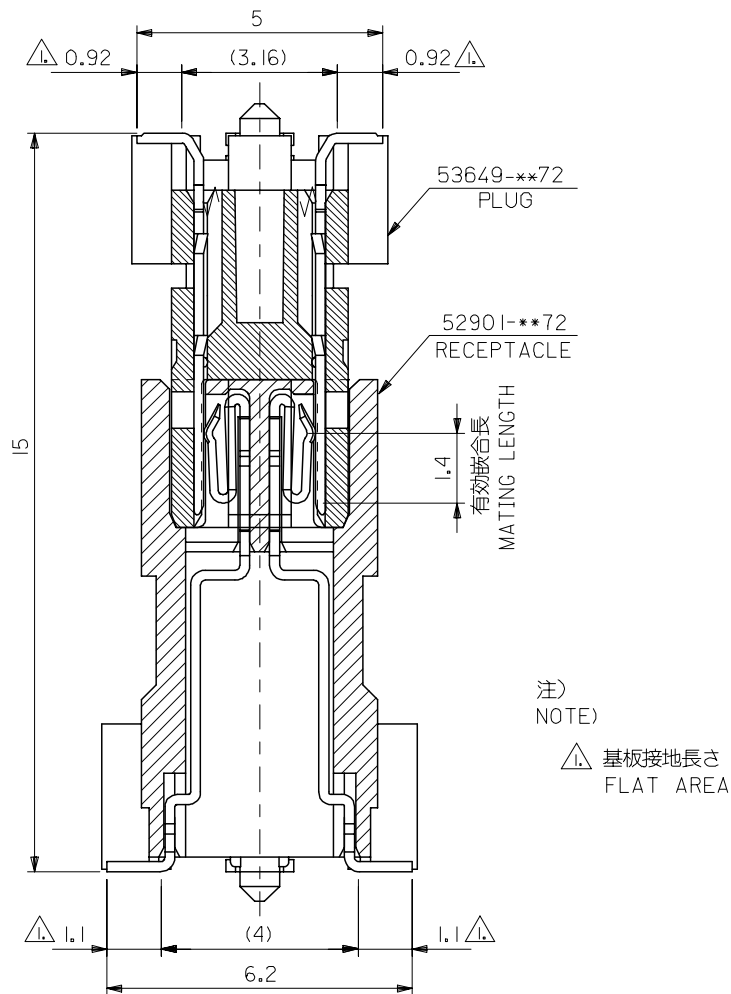
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NOTE)
△ 基板接地長さ
FLAT AREA

RELEASED EC NO: J2005-3798 DRW: KENSUZUKI CHKD: NUKITA APPR: NUKITA O	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 INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE DRAWING		SD-52901-015		1 OF 1			
	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					