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Part Number: [0529010974](#)
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, 90 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
Product Name SlimStack™

Physical

Circuits (Loaded) 90
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, 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

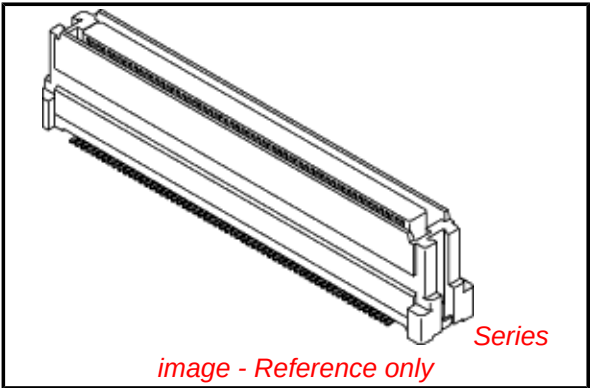


image - Reference only

EU RoHS

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

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.

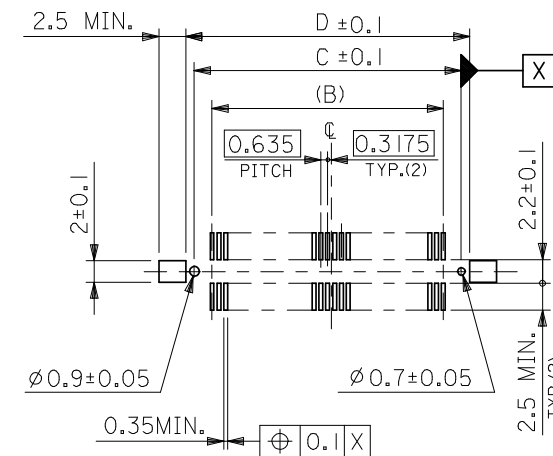
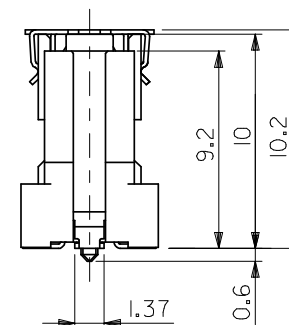
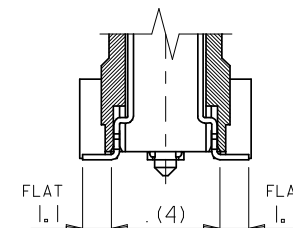
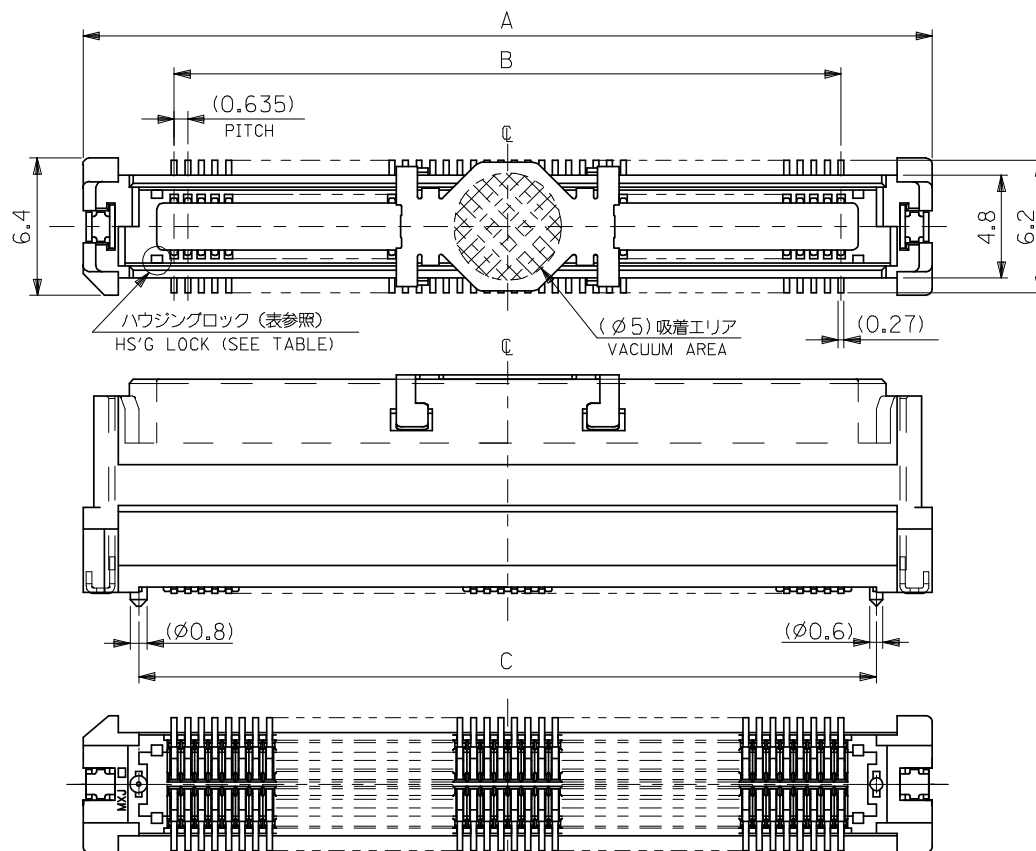
Search Parts in this Series

[52901Series](#)

Mates With

[53475](#) , [53643](#) , [55091](#) , [53481](#) , [53625](#) ,,
[53551](#) , [53647](#) , [53552](#) , [53649](#) , [53553](#) ,
[53627](#)

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RECOMMENDED PCB PATTERN LAYOUT

注)
NOTES

1. 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
吸着力バー：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
2. メッキ仕様
PLATING
ターミナル：接点部：金メッキ 0.25μmMIN.
TERMINAL：CONTACT AREA:GOLD 0.25μmMIN.
半田付け部：鍍メッキ 1μmMIN.
SOLDER TAIL AREA:TIN 1μmMIN.
下地メッキ：ニッケルメッキ 2μmMIN.
UNDER-PLATING:NICKEL 2μmMIN.
補助金具：錫メッキ 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
3. テールのパラツキ寸法
TAIL COPLANARITY
テール平坦度は、0.1MAX.とする。
TAILS COPLANARITY TO BE 0.1MAX.
4. エンボス対応済みの種数については、SD-52901-009を参照下。
FOR THE EMBOSSED PACKAGE PRODUCTS,SEE SD-52901-009.
5. 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.	庫容対応 AVAILABLE
					ORDER No.	オーダー番号			

REVISED EC NO.: J2008-4316 DRAWN: NABEI CHK'D: THARUYAMA APPR: NUKITA	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	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

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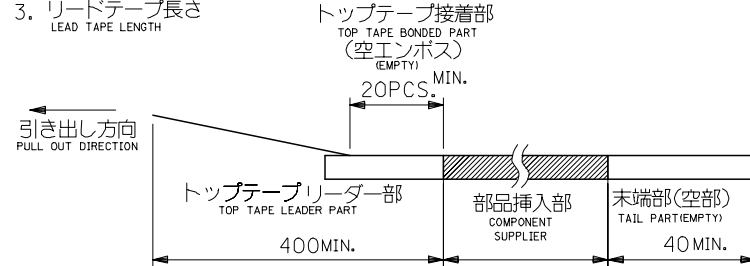
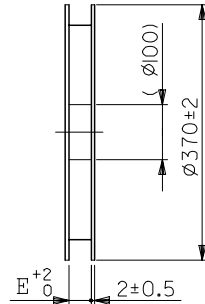
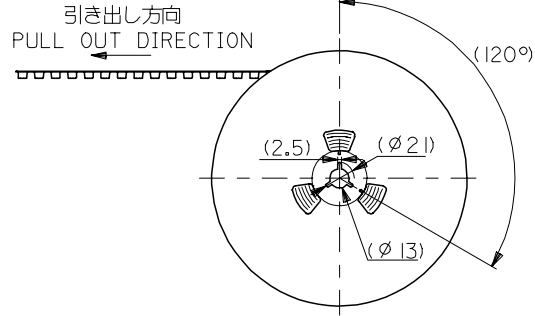
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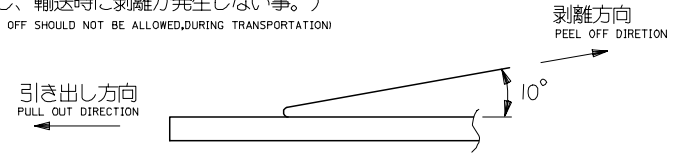
注)
NOTES

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

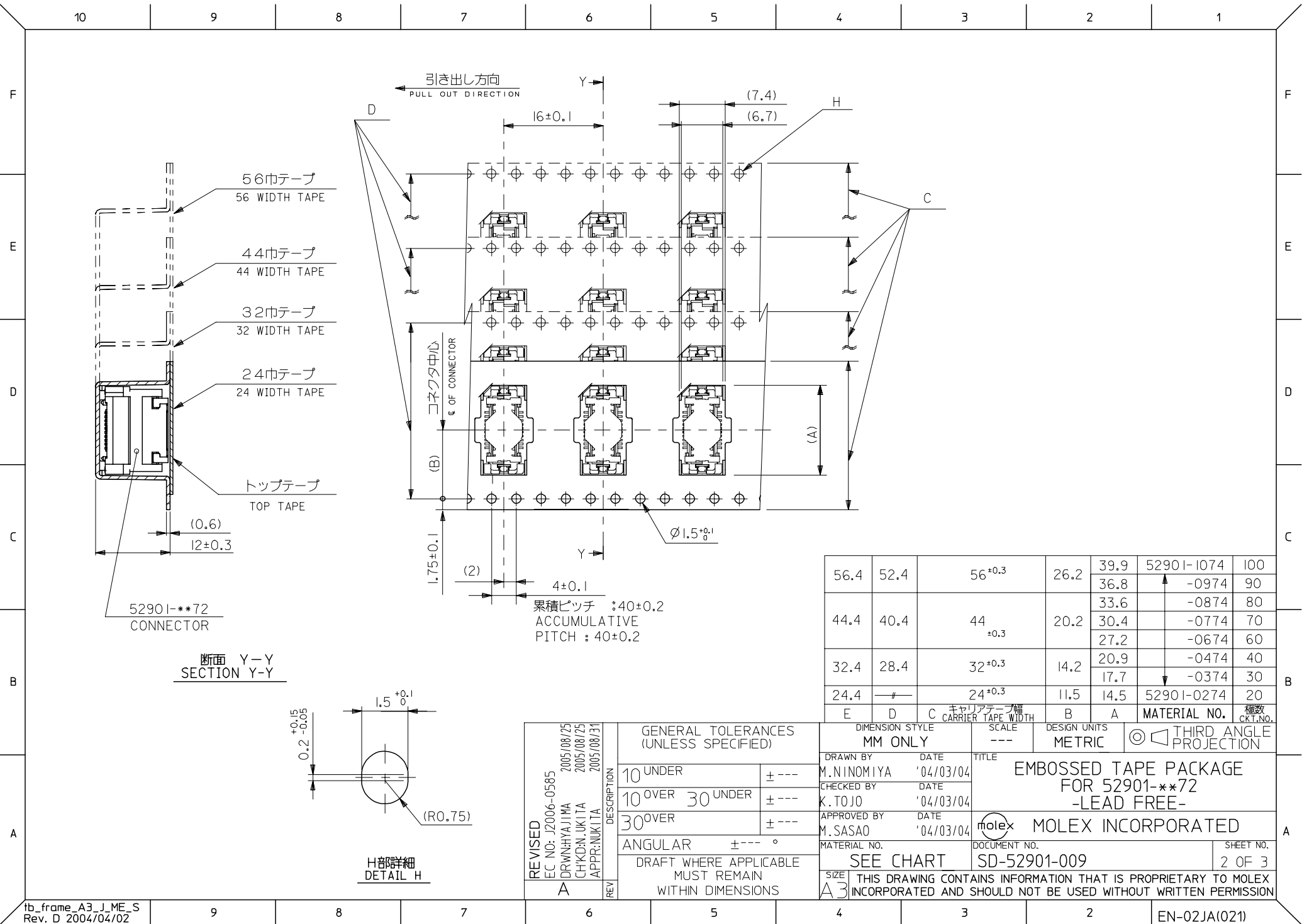
尚、本規格値は、出荷時に適用。
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED,DURING TRANSPORTATION)

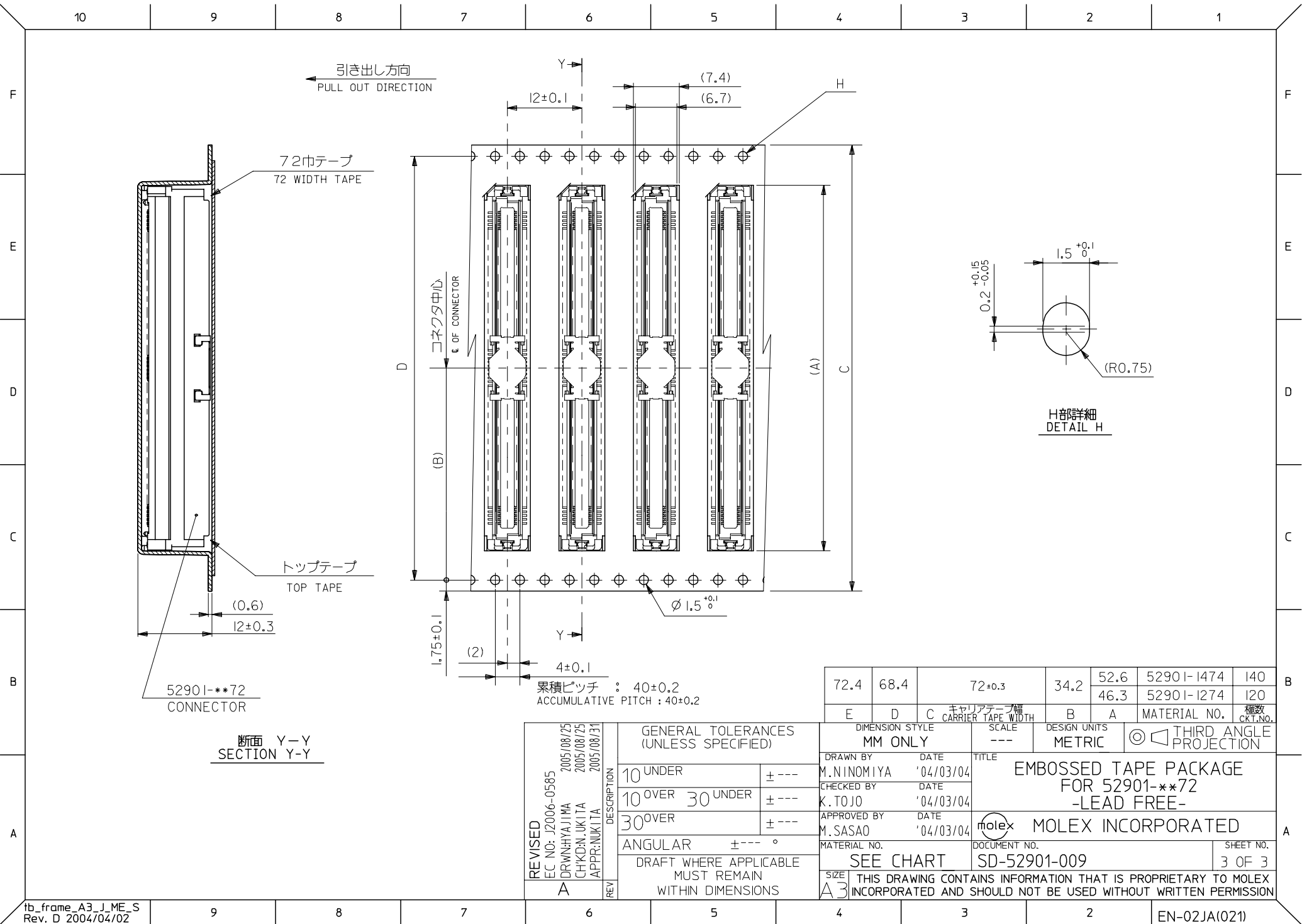


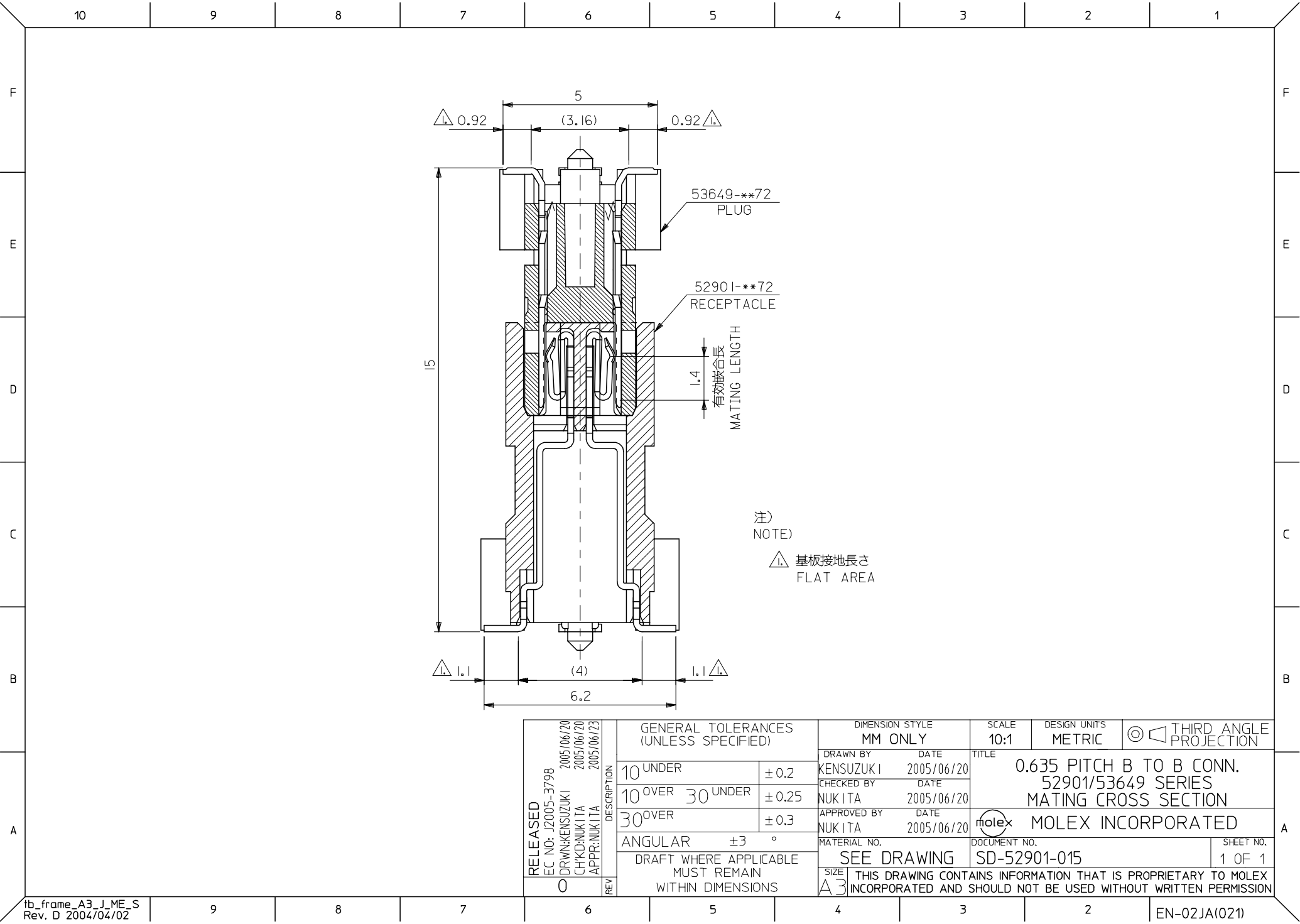
5. 材料
MATERIAL
キャリアテープ : ポリプロピレン (PP)
CARRIER TAPE : POLYPROPYLENE (PP)
トップテープ : PET, PE, PEF
TOP TAPE : PET, PE, PEF
リール : 紙
REEL : CARD BOARD
6. 本製品は 52901-***4 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52901-***4.

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 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						







RELEASED EC NO: J2005-3798 DRWN: KENSUZUKI CHKD: NUKITA APPR: NUKITA 0	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. 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						
	REV									