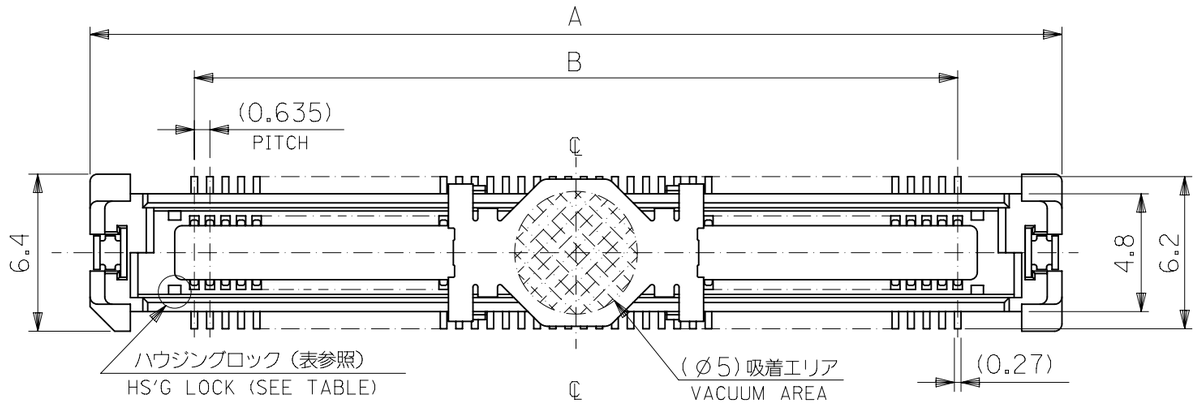
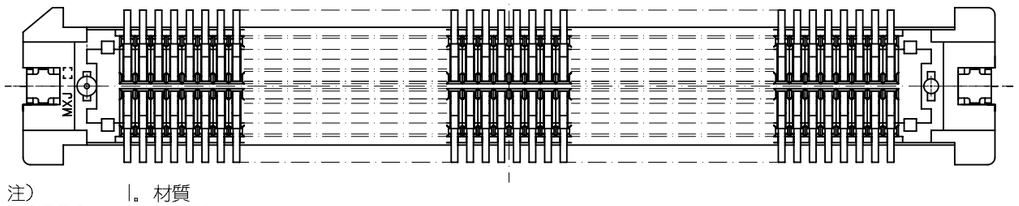
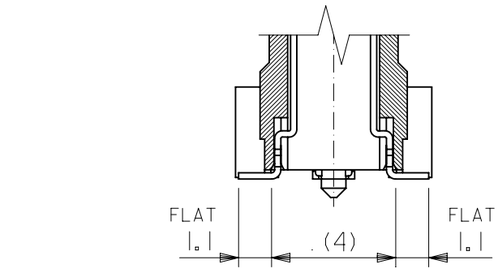
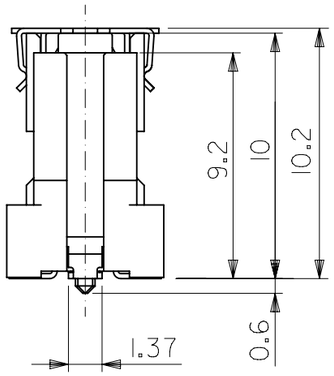
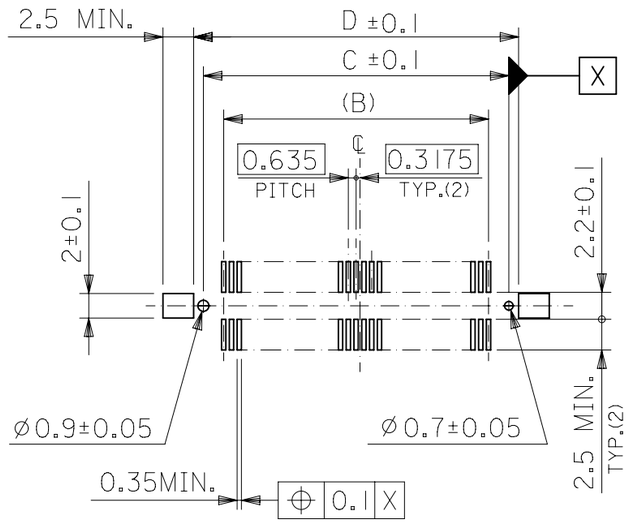






半田付け部詳細図
DETAIL FOR SOLDERING AREA





推奨基板寸法
RECOMMENDED PCB PATTERN LAYOUT

無し WITHOUT	67.77	66.17	62.865	71.37	52901-2074	-	200
	61.42	59.82	56.515	65.02	52901-1874	-	180
	55.07	53.47	50.165	58.67	52901-1674	-	160
	48.72	47.12	43.815	52.32	52901-1474	-	140
	42.37	40.77	37.465	45.97	52901-1274	-	120
	36.02	34.42	31.115	39.62	52901-1074	52901-1075	100
	32.85	31.25	27.94	36.45	52901-0974	52901-0975	90
	29.67	28.07	24.765	33.27	52901-0874	52901-0875	80
有り WITH	26.5	24.90	21.59	30.1	52901-0774	52901-0775	70
	23.32	21.72	18.415	26.92	52901-0674	52901-0675	60
	20.15	18.55	15.24	23.75	52901-0574	-	50
	16.97	15.37	12.065	20.57	52901-0474	52901-0475	40
	13.8	12.2	8.89	17.4	52901-0374	52901-0375	30
	10.62	9.02	5.715	14.22	52901-0274	52901-0275	20
ハウジングロック HSG LOCK	D	C	B	A	エンボス梱包 EMBOSSED PACKAGING	スティック梱包 STICK PACKAGING	極数 CKT
					オーダー番号 ORDER NO.		

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
2. メッキ仕様
   PLATING
   ターミナル TERMINAL : 接点部 ：金メッキ ０.２５μmＭＩＮ。
   CONTACT AREA:GOLD ０.２５μmＭＩＮ。
   半田付け部：錫メッキ 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. 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.
5. 本製品は ５２９０１-＊＊＊２ の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 52901-＊＊＊2.

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	-

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	3.0 °
4 PLACES ±	0.2
3 PLACES ±	0.25
2 PLACES ±	0.3
1 PLACE ±	
0 PLACES ±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 602629
DRWN: RMIYAMOTO 2018/08/16
CHK'D: KSASAKI 2018/08/17
APPR: TKUSUHARA01 2018/08/17
INITIAL REVISION:
DRWN: MNINOMIYA 2004/03/23
APPR: MSASAO 2004/03/23

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52901

molex

0.635 PITCH B-TO-B CONN.
REC. HS'G COVER ASS'Y -LEAD FREE-

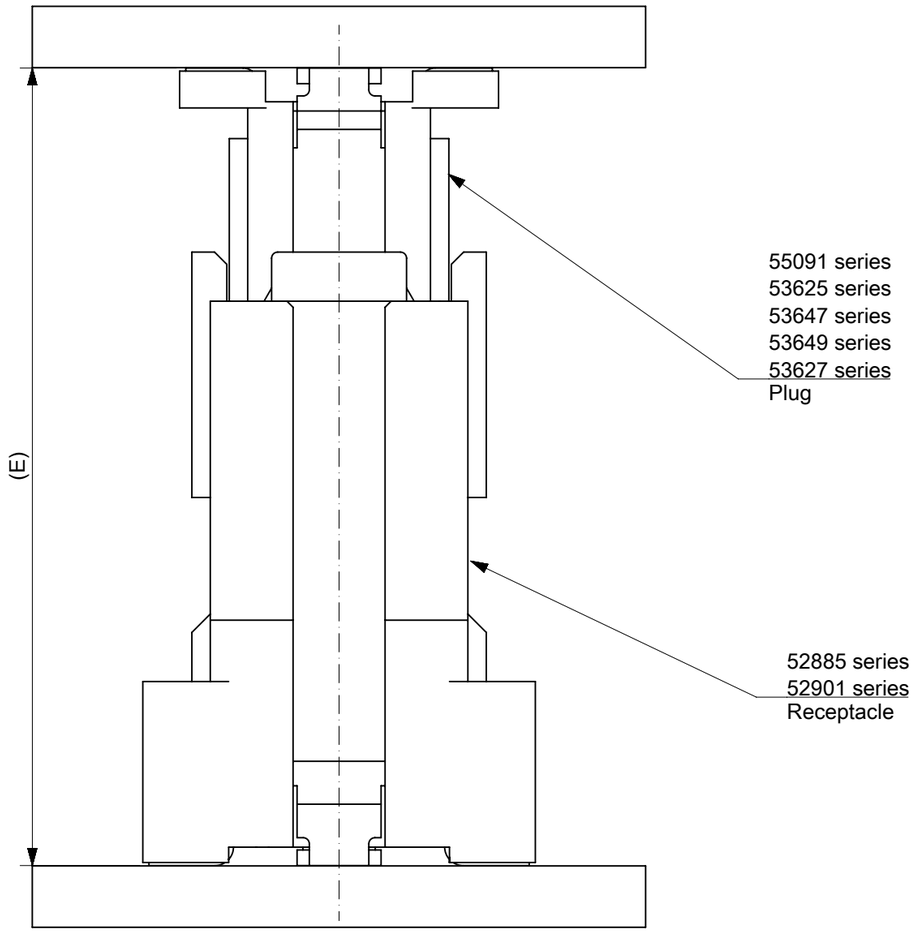
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52901-008	PSD	001	F

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/17 07:05:09

FORMAT: master_molex-A3
REVISION: H
DATE: 2018/01/16



嵌合高さ一覧 Stacking Height variation			
	6	52885 series	55091 series
	7		53625 series
	8		53647 series
	9		53649 series
	10		53627 series
○	12	52901 series	55091 series
○	13		53625 series
○	14		53647 series
○	15		53649 series
○	16		53627 series
本図製品該当高さ Height Application	嵌合高さ E Stacking Height	リセプタクル Receptacle	プラグ Plug

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	-

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3.0 °
4 PLACES	± 0.2
3 PLACES	± 0.25
2 PLACES	± 0.3
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 602629
DRWN: RMIYAMOTO 2018/08/16
CHK'D: KSASAKI 2018/08/17
APPR: TKUSUHARA01 2018/08/17

INITIAL REVISION:
DRWN: MNINOMIYA 2004/03/23
APPR: MSASAO 2004/03/23

molex

0.635 PITCH B-TO-B CONN.
REC. HS'G COVER ASS'Y -LEAD FREE-

PRODUCT CUSTOMER DRAWING

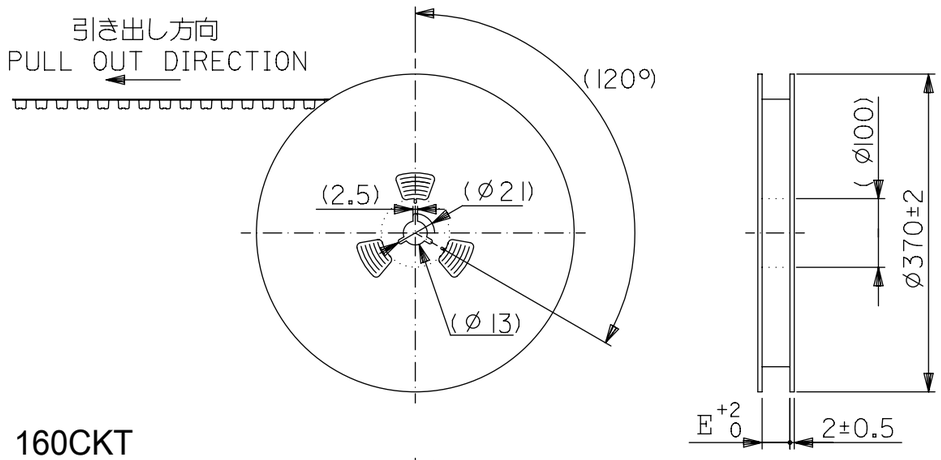
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52901-008	PSD	001	F

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	52901	SEE CHART	GENERAL MARKET	2 OF 2

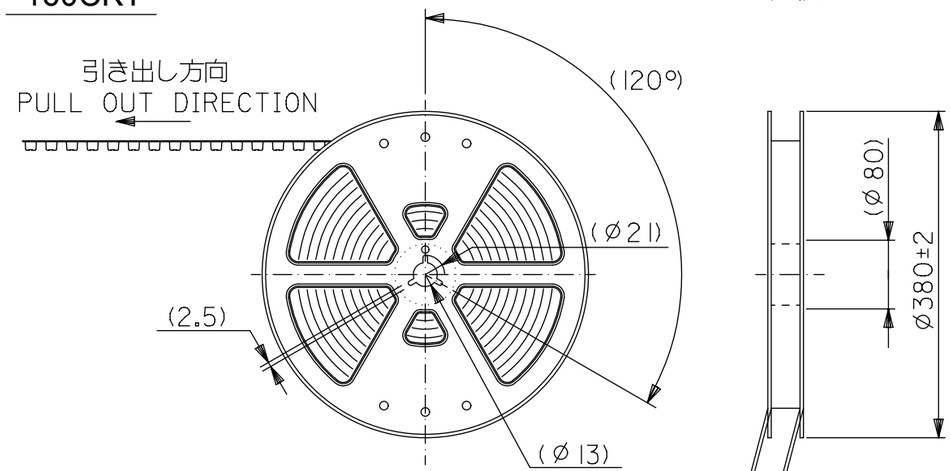
DOCUMENT STATUS	P1	RELEASE DATE	2018/08/17 07:05:09

FORMAT: master-lb-prod-A3
REVISION: H
DATE: 2018/01/18

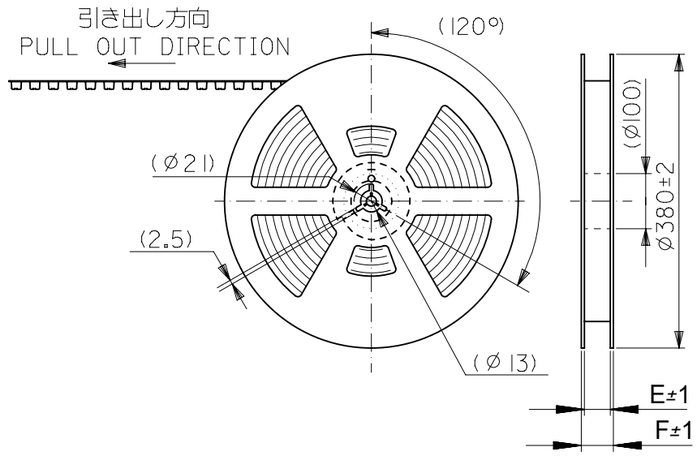
20～140CKT



160CKT



180～200CKT

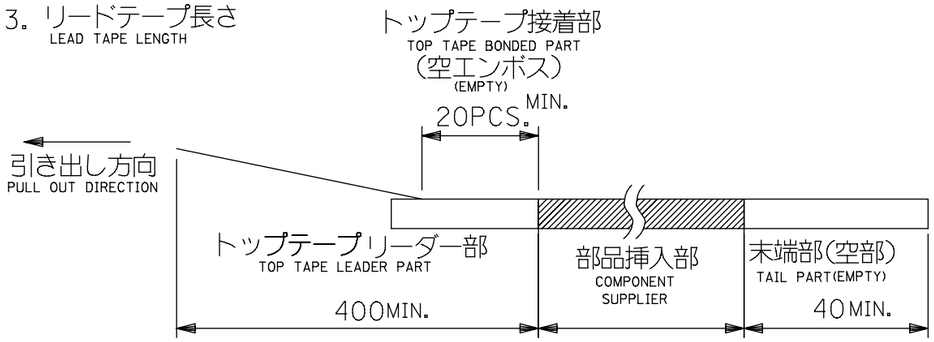


注)
NOTES

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. 材料
MATERIAL

キャリアテープ ：ポリプロピレン (20～160CKT)
ポリスチレン (180P , 200CKT)
CARRIER TAPE : POLYPROPYLENE (20～160CKT)
POLYSTYRRNE (180P , 200CKT)

トップテープ ：PET, PE, PEF
TOP TAPE : PET , PE , PEF

リール ： 紙 (20～140CKT)
ポリスチレン (160～200CKT)
REEL : CARD BOARD (20～140CKT)
POLYSTYRRNE (160～200CKT)

5. 本製品は 52901-***4 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52901-***4.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	mm
SCALE	~~1:1~~
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	°
4 PLACES ±	
3 PLACES ±	
2 PLACES ±	
1 PLACE ±	
0 PLACES ±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 649488
DRWN: JFURUKAWA 2020/11/16
CHK'D: HSHIMOYAMA 2020/11/19
APPR: SHOSHIKAWA 2020/11/19

INITIAL REVISION:
DRWN: MNINOMIYA 2004/03/23
APPR: MSASAO 2004/03/23

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	52901

molex

EMBOSSED TAPE PACKAGE
FOR 0.635MM PITCH B-TO-B CONN. REC -LEAD FREE-

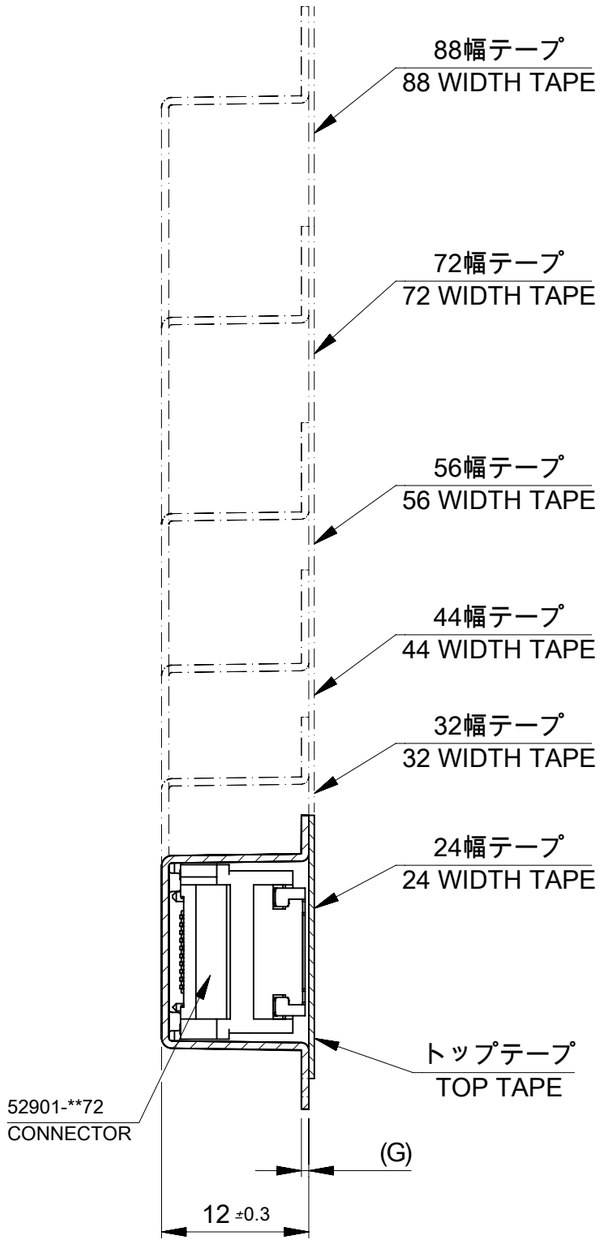
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52901-009	PSD	001	D

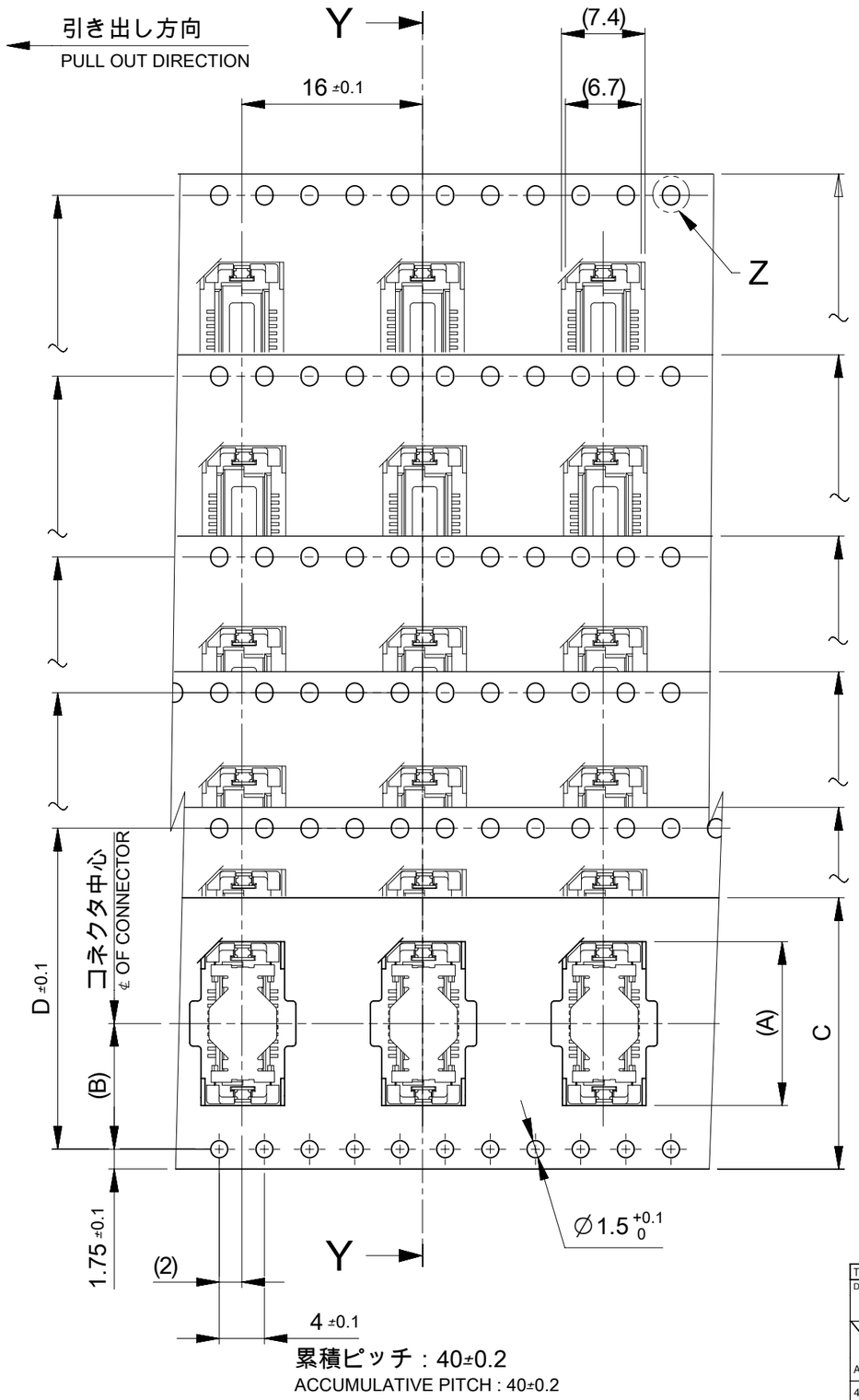
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2020/11/19 02:24:07

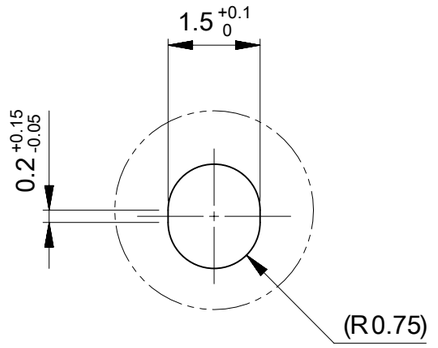
FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14



断面Y-Y
SECTION Y-Y



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



DETAIL Z
SCALE 10:1

PS	PS	0.5	94	90	84.4	88±0.3	42.2	71.7	52901-2074	200
								65.4	52901-1874	180
CARD BOARD	PP	0.6	78	74	68.4	72±0.3	34.2	59.0	52901-1674	160
				72.4				52.6	52901-1474	140
			-					46.3	52901-1274	120
				56.4	52.4	56±0.3	26.2	39.9	52901-1074	100
								36.8	52901-0974	90
				44.4	40.4	44±0.3	20.2	33.6	52901-0874	80
								30.4	52901-0774	70
								27.2	52901-0674	60
								24.1	52901-0574	50
				32.4	28.4	32±0.3	14.2	20.9	52901-0474	40
								17.7	52901-0374	30
				24.4	-	24±0.3	11.5	14.5	52901-0274	20
リール REEL	キャリアテープ CARRIER TAPE	G	F	E	D	C キャリアテープ幅 CARRIER TAPE WIDTH	B	A	オーダー番号 ORDER NO.	極数 CKT

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: mm
SCALE: 2:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:
EC NO: 649488
DRWN: JFURUKAWA 2020/11/16
CHK'D: HSHIMOYAMA 2020/11/19
APPR: SHOSHIKAWA 2020/11/19
INITIAL REVISION:
DRWN: MNINOMIYA 2004/03/23
APPR: MSASAO 2004/03/23

THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 52901

molex

EMBOSSED TAPE PACKAGE
FOR 0.635MM PITCH B-TO-B CONN. REC -LEAD FREE-

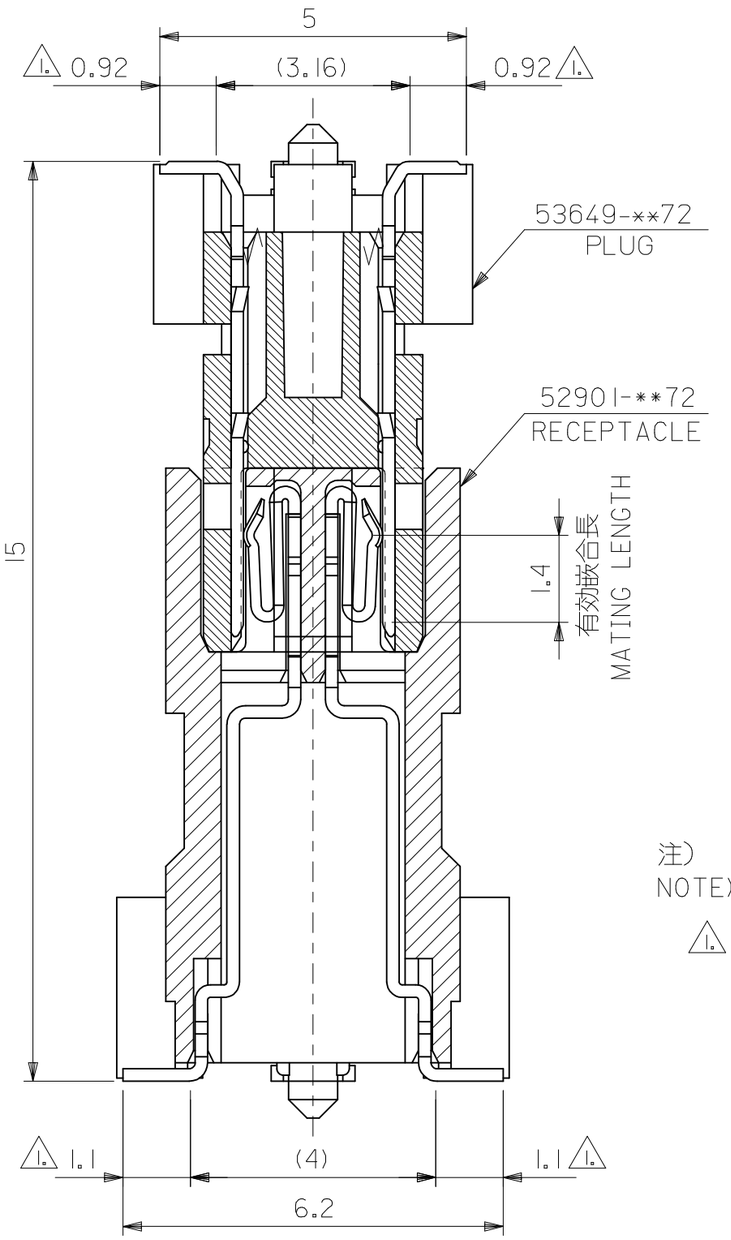
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52901-009	PSD	001	D

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2020/11/19 02:24:07

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14



注)
NOTE)

1. 基板接地長さ
   FLAT AREA

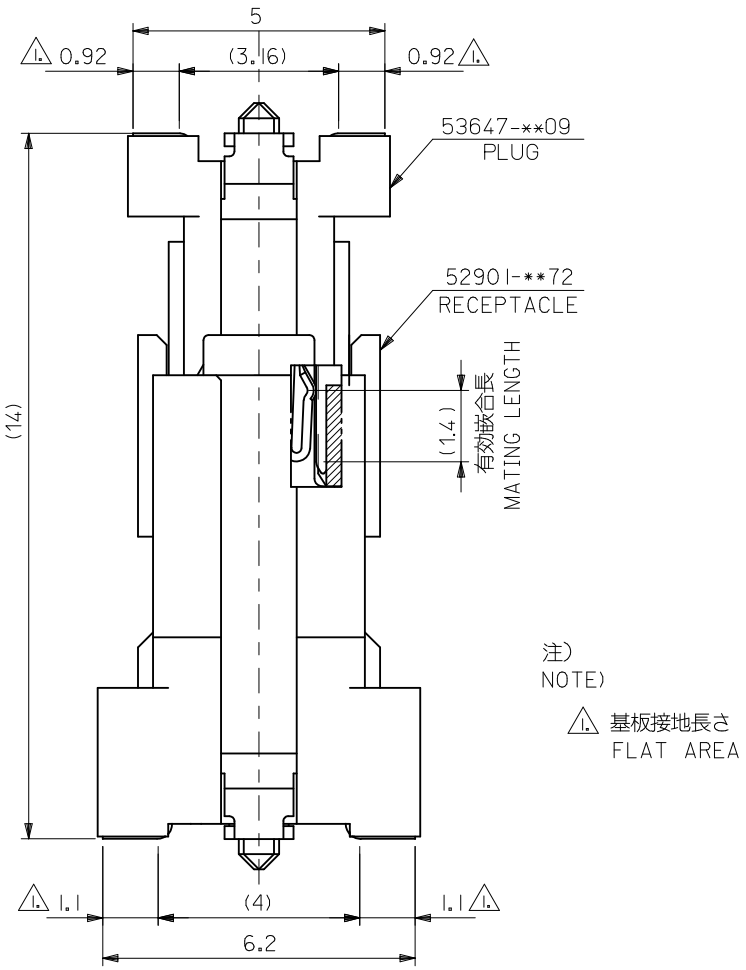
RELEASED	EC NO: J2005-3798	2005/06/20
	DRWN:KENSUZUKI	2005/06/20
	CH'KD:NUKITA	2005/06/20
	APPR:NUKITA	2005/06/23
REV	DESCRIPTION	
0		

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		



注)
NOTE)

1. 基板接地長さ
FLAT AREA

RELEASED	EC NO: J2012-1293	2012/04/09	DESCRIPTION	REV
	DRWN:TKAIHO	2012/04/10		
	CH'KD:TASAKAWA	2012/04/13		
	APPR:MSASAO			
				0

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: TKAIHO	DATE: 2012/04/09	TITLE: 0.635 BB CONN. 52901/53647 SERIES MATING DRAWING		
CHECKED BY: TASAKAWA	DATE: 2012/04/10			
APPROVED BY: MSASAO	DATE: 2012/04/13	molex		
MATERIAL NO.: SEE DRAWING	DOCUMENT NO.: SD-52901-017	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			