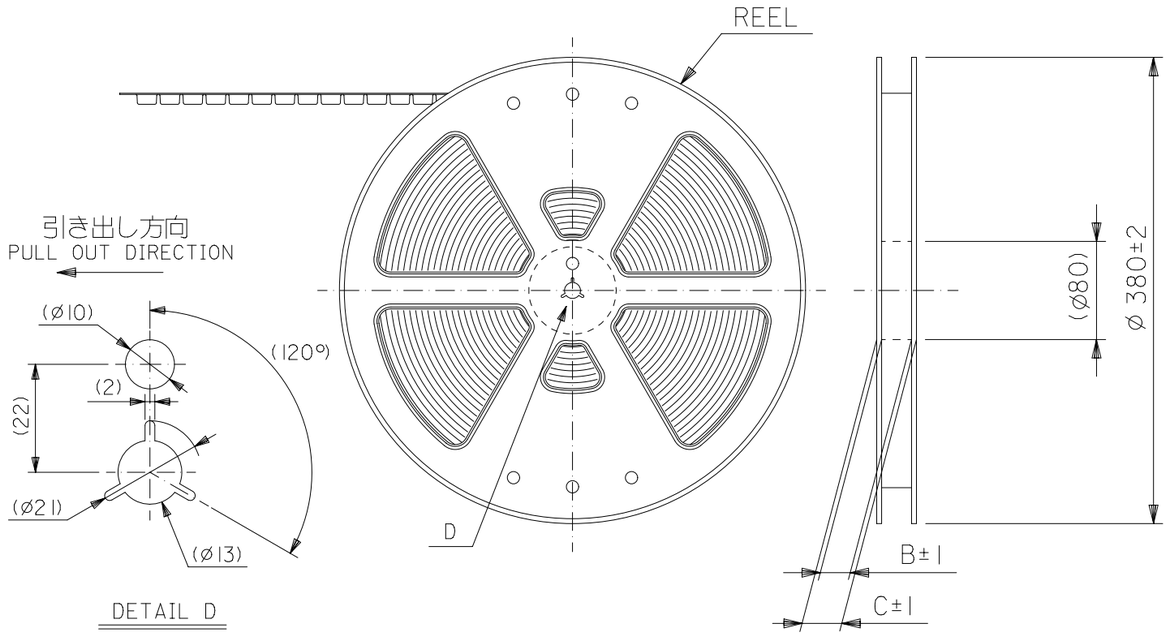
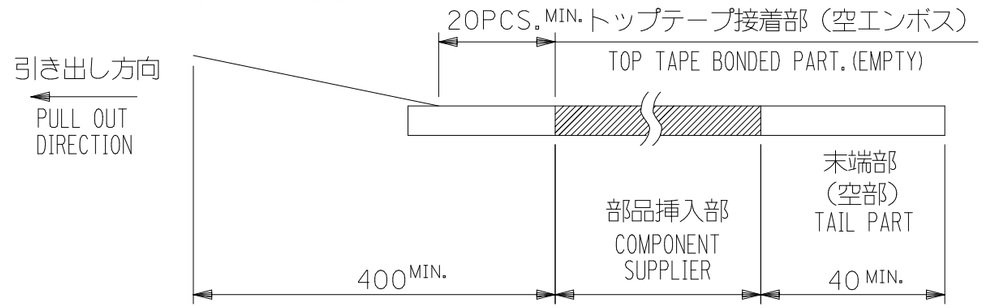


DETAIL D

NOTES

1. 製品詳細寸法については製品単体図面を参照下さい。
   DETAIL DIMENSIONS, SEE PRODUCT DRAWING.
2. 梱包数量：２５００個／リール
   NUMBER OF CONNECTORS ：2500PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



4. 材料 MATERIAL
   キャリアテープ（CARRIER TAPE）：POLYSTYRENE (PS)
   トップテープ（TOPTAPE）： PET
   リール（REEL）： ポリスチレン（ＰＳ） <リサイクル材を含む>
   POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>

5. ELV 及び RoHS 適合品。
   ELV AND RoHS COMPLIANT.

6. THIS DRAWING IS RE-DRAWING OF SD-55909-004 REV.J

CONNECTOR SERIES No. 55909-**73

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

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	1.0 °
4 PLACES	±	0.1
3 PLACES	±	0.1
2 PLACES	±	0.1
1 PLACE	±	0.1
0 PLACES	±	0.1

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 638555
DRWN: BKBAE 2020/05/15
CHK'D: SHCHU 2020/05/29
APPR: SHCHU 2020/06/01

INITIAL REVISION:
DRWN: JHCHANG 2017/11/13
APPR: YSKIM02 2018/10/09

molex

0.4 B-TO-B CONN. H = 1.5 / 1.8
J-BEND PLUG

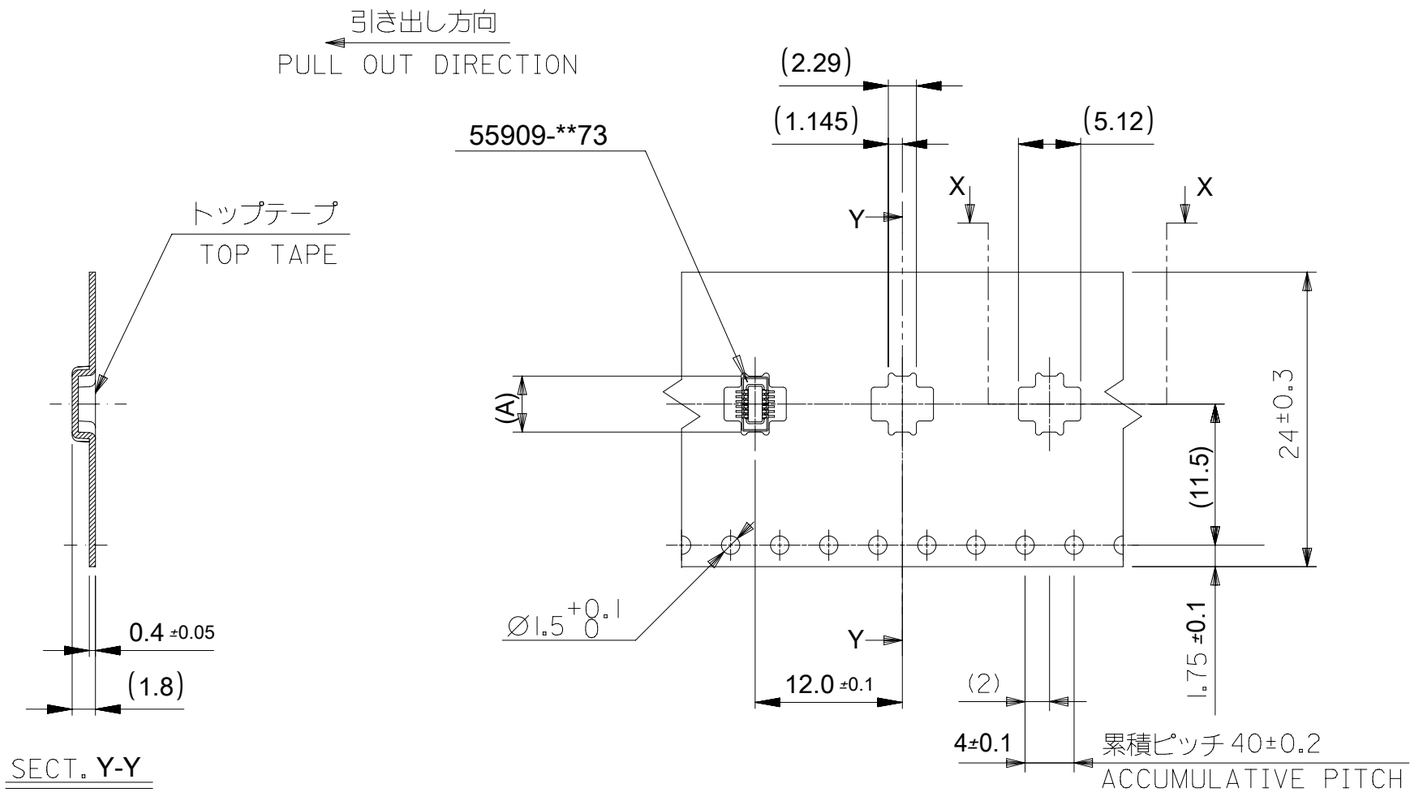
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
559090074	PSD	000	B

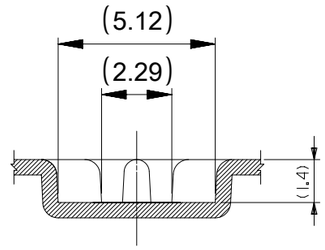
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	55909	SEE CHART	GENERAL	1 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2020/06/01 01:17:15

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



SECT. Y-Y



SECT. X-X

注記)製品がポケット内に問題なく収まること。
NOTE. Pocket should contain product smoothly.

24	29.4	25.4	5.36	55909-1674	16
			4.56	55909-9974	12
			4.16	55909-9872	10
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	CKT.

CONNECTOR SERIES No. 55909-**73

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

DIMENSION UNITS	mm
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 1.0 °
4 PLACES	± 0.1
3 PLACES	± 0.1
2 PLACES	± 0.1
1 PLACE	± 0.1
0 PLACES	± 0.1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 638555
DRWN: BKBAE 2020/05/15
CHK'D: SHCHU 2020/05/29
APPR: SHCHU 2020/06/01

INITIAL REVISION:
DRWN: JHCHANG 2017/11/13
APPR: YSKIM02 2018/10/09

molex

0.4 B-TO-B CONN. H = 1.5 / 1.8
J-BEND PLUG

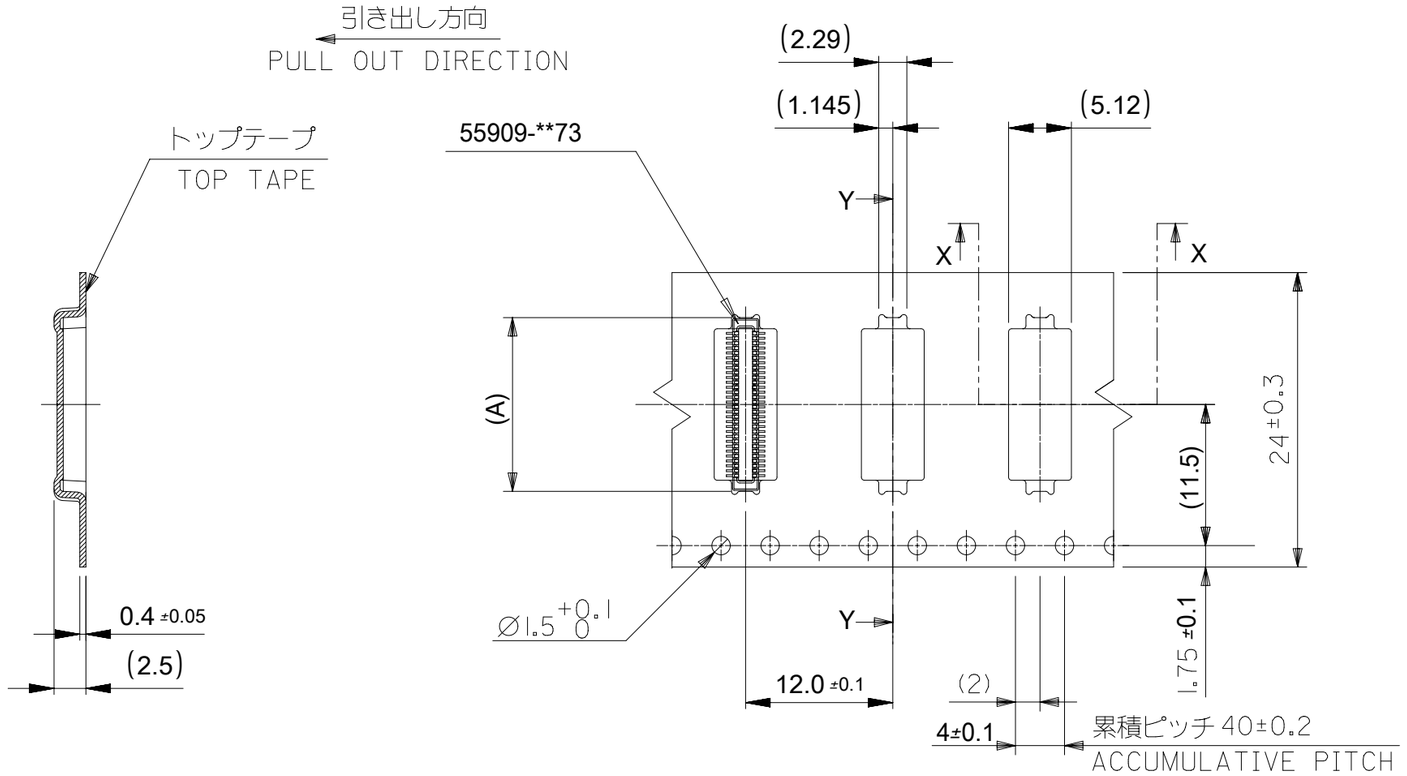
PRODUCT CUSTOMER DRAWING

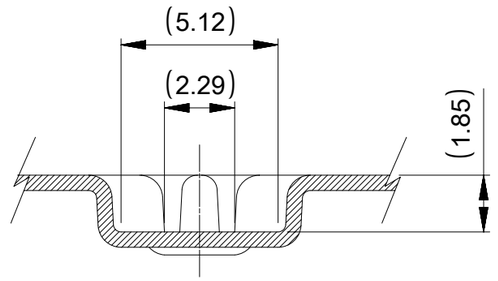
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
559090074	PSD	000	B

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	55909	SEE CHART	GENERAL	2 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2020/06/01 01:17:15

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





SECT。X-X

SECT。Y-Y

注記)製品がポケット内に問題なく収まること。
NOTE. Pocket should contain product smoothly.

24	29.4	25.4	14.96	55909-6472	64
			14.16	55909-0674	60
			12.96	55909-5472	54
			12.16	55909-0574	50
			10.96	55909-4472	44
			10.16	55909-0474	40
			8.96	55909-3474	34
			8.16	55909-0374	30
			7.36	55909-2674	26
			6.96	55909-2474	24
			6.56	55909-2274	22
			6.16	55909-0274	20
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	CKT.

CONNECTOR SERIES No. 55909-**73

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

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	0.1
3 PLACES	±	0.1
2 PLACES	±	0.1
1 PLACE	±	0.1
0 PLACES	±	0.1

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 638555
DRWN: BKBAE 2020/05/15
CHK'D: SHCHU 2020/05/29
APPR: SHCHU 2020/06/01

INITIAL REVISION:
DRWN: JHCHANG 2017/11/13
APPR: YSKIM02 2018/10/09

molex

0.4 B-TO-B CONN. H = 1.5 / 1.8
J-BEND PLUG

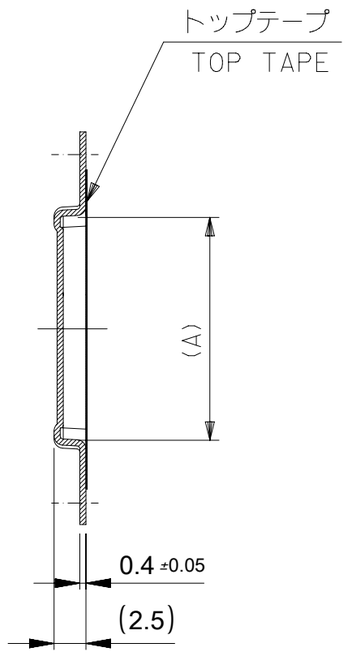
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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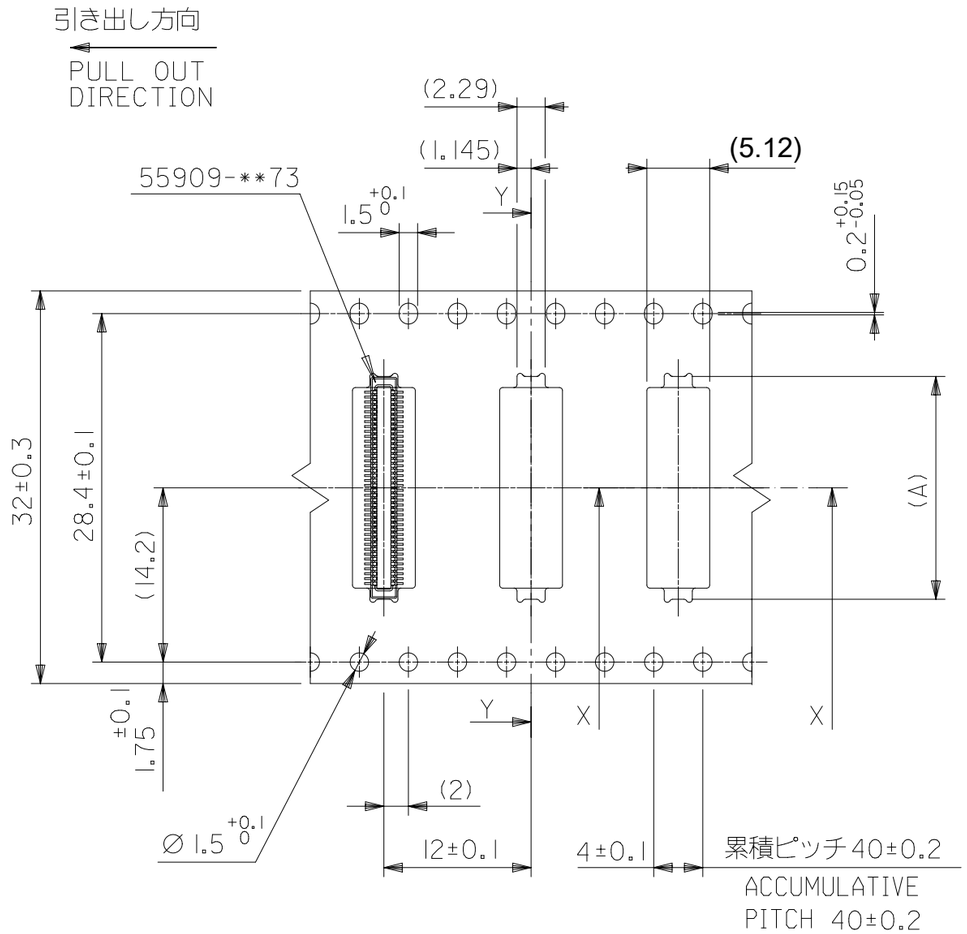
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	55909	SEE CHART	GENERAL	3 OF 5

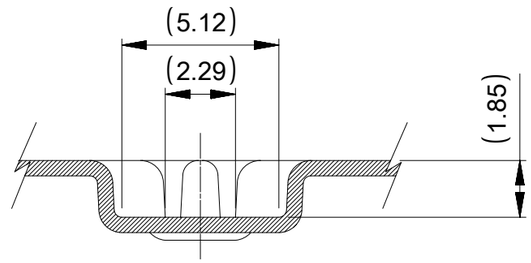
DOCUMENT STATUS	P1	RELEASE DATE	2020/06/01 01:17:15

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



SECT:Y-Y





SECT:X-X

32mm幅キャリアテープ

32mm WIDTH CARRIER TAPE

注記)製品がポケット内に問題なく収まること。
NOTE. Pocket should contain product smoothly.

キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.
32	37.4	33.4	19.16	55909-0974	90
			18.16	55909-0874	80
			16.16	55909-0774	70

CONNECTOR SERIES No. 55909-**73

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

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 1.0 °
4 PLACES	± 0.1
3 PLACES	± 0.1
2 PLACES	± 0.1
1 PLACE	± 0.1
0 PLACES	± 0.1

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 638555
DRWN: BKBAE 2020/05/15
CHK'D: SHCHU 2020/05/29
APPR: SHCHU 2020/06/01

INITIAL REVISION:
DRWN: JHCHANG 2017/11/13
APPR: YSKIM02 2018/10/09

molex

0.4 B-TO-B CONN. H = 1.5 / 1.8
J-BEND PLUG

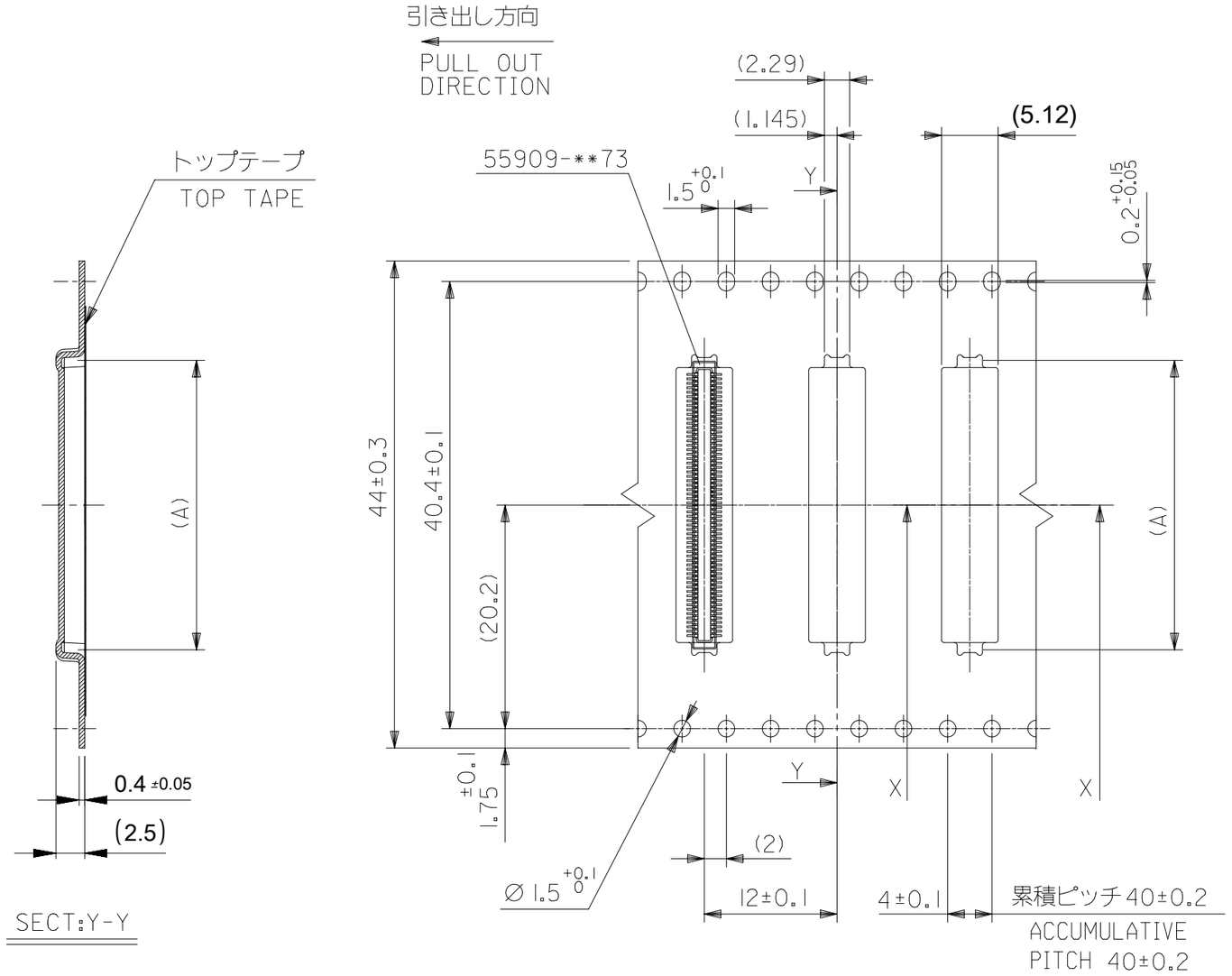
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
559090074	PSD	000	B

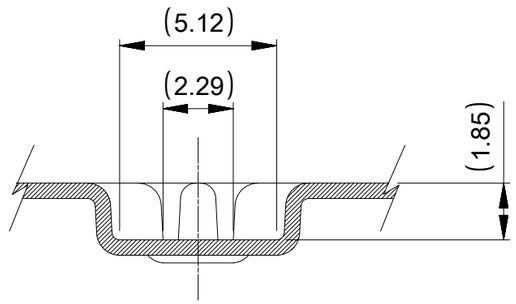
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	55909	SEE CHART	GENERAL	4 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2020/06/01 01:17:15

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



SECT:Y-Y



SECT:X-X

44mm幅キャリアテープ

44mm WIDTH CARRIER TAPE

注記)製品がポケット内に問題なく収まること。
NOTE. Pocket should contain product smoothly.

44	49.4	45.4	22.16	55909-1074	100
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.

CONNECTOR SERIES No. 55909-**73

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

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	0.1
3 PLACES	±	0.1
2 PLACES	±	0.1
1 PLACE	±	0.1
0 PLACES	±	0.1

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 638555
DRWN: BKBAE 2020/05/15
CHK'D: SHCHU 2020/05/29
APPR: SHCHU 2020/06/01

INITIAL REVISION:
DRWN: JHCHANG 2017/11/13
APPR: YSKIM02 2018/10/09

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 55909

molex

0.4 B-TO-B CONN. H = 1.5 / 1.8
J-BEND PLUG

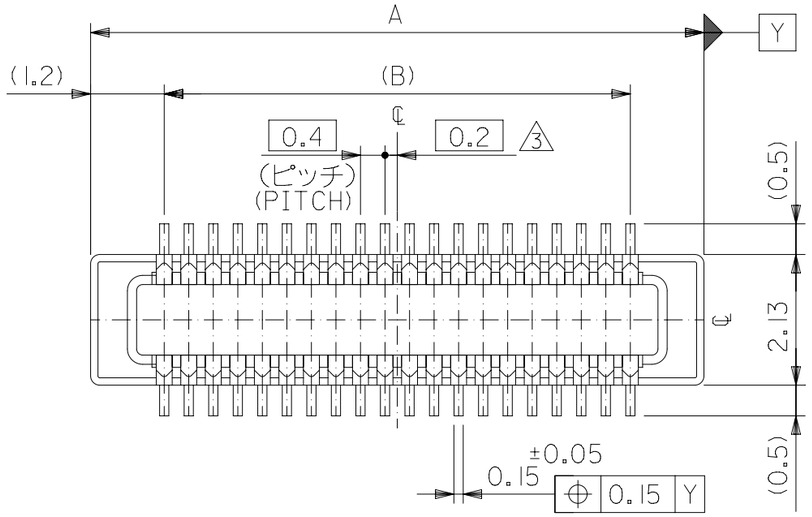
PRODUCT CUSTOMER DRAWING

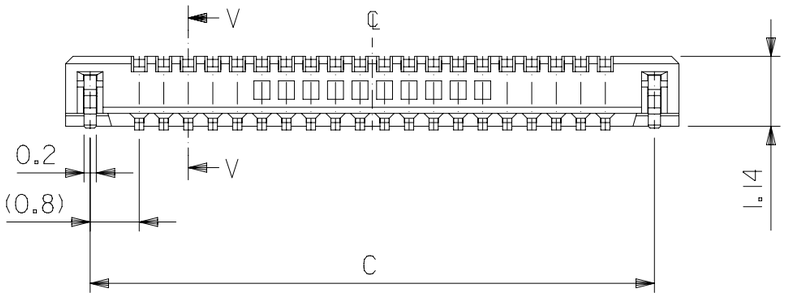
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
559090074	PSD	000	B

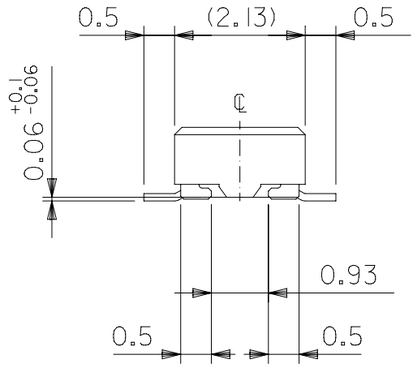
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	5 OF 5

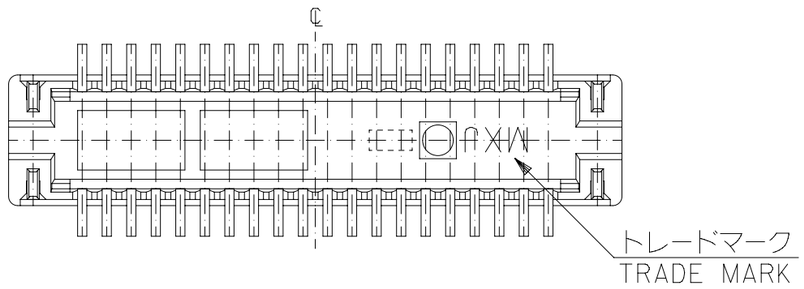
DOCUMENT STATUS	P1	RELEASE DATE	2020/06/01 01:17:15

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







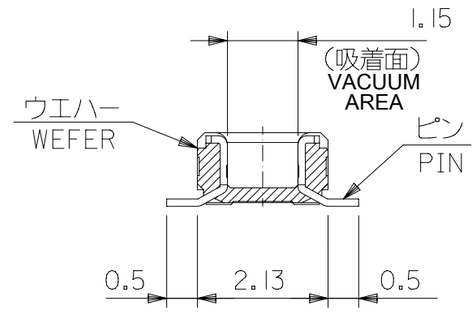


注記 NOTES:

1. 使用材料 MATERIAL
   ウエハー：液晶ポリマー（ＬＣＰ） ガラス充填 ＵＬ９４Ｖ－０（黒）
   WAFER: LIQUID CRYSTAL POLYMER(GLASS FILLED)
   UL94V-0 (COLOR:BLACK)
   ピン：黄銅（ｔ＝０．１２）
   PIN: BRASS (t=0.12)
   金具：リン青銅（ｔ＝０．２）
   FITTING NAIL: PHOSPHOR BRONZE (t=0.2)
2. メッキ仕様 PLATING
   ピン PIN
   金メッキ 0.2 マイクロメートル以上（コンタクト部）
   GOLD 0.2MICROMETER MINIMUM (CONTACT AREA)
   金メッキ 0.4 マイクロメートル以下（テール部）
   GOLD 0.4MICROMETER MAXIMUM (TAIL AREA)
   下地メッキ：ニッケルメッキ 1.5 マイクロメートル以上
   UNDER PLATING : NICKEL 1.5MICROMETER MINIMUM
   金具 FITTING NAIL
   錫メッキ 1.0 マイクロメートル以上
   TIN PLATING 1.0MICROMETER 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 1.0MICROMETER MINIMUM

3 （全極数／２）＝偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN.

4. 嵌合相手 :51338シリーズ (嵌合高さ = 1.5mm) 及び
   500913シリーズ (嵌合高さ = 1.8mm)
   MATE WITH : 51338 SERIES (HEIGTH = 1.5mm) AND
   500913 SERIES (HEIGHT = 1.8mm)
5. テール平坦度は、０．０８以下
   テール及び金具の平坦度は、０．１以下
   TAIL COPLANARITY TO BE 0.08MAXIMUM
   TAIL AND FITTING NAIL
   COPLANARITY TO BE 0.1 MAXIMUM
6. 本製品は ５５９０９－＊＊＊３ の鉛フリー品である。
   THIS PRODUCT IS LEAD FREE OF 55909-***3



SECT.V-V

21.2	19.6	22.0	55909-1074	100
19.2	17.6	20.0	55909-0974	90
17.2	15.6	18.0	55909-0874	80
15.2	13.6	16.0	55909-0774	70
14.0	12.4	14.8	55909-6472	64
13.2	11.6	14.0	55909-0674	60
12.0	10.4	12.8	55909-5472	54
11.2	9.6	12.0	55909-0574	50
10.0	8.4	10.8	55909-4472	44
9.2	7.6	10.0	55909-0474	40
8.0	6.4	8.8	55909-3474	34
7.2	5.6	8.0	55909-0374	30
6.4	4.8	7.2	55909-2674	26
6.0	4.4	6.8	55909-2474	24
5.6	4.0	6.4	55909-2274	22
5.2	3.6	6.0	55909-0274	20
4.4	2.8	5.2	55909-1674	16
3.6	2.0	4.4	55909-9974	12
3.2	1.6	4.0	55909-9872	10
C	B	A	EMBOSSED TAPE PKG.	CKT.
			ORDER No. オーダー番号	
CONNECTOR SERIES NO.			55909-**73	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10^{UNDER}	±0.2
10^{OVER} 30^{UNDER}	±0.25
30^{OVER}	±0.3

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

DIMENSION UNITS	mm
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ± 3.0 °	
4 PLACES ±	
3 PLACES ±	
2 PLACES ±	
1 PLACE ±	
0 PLACES ±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 739909
DRWN: RAJMOK 2023/02/21
CHK'D: HSHIMOYAMA 2023/02/23
APPR: YNAITO 2023/02/23

INITIAL REVISION:
DRWN: HSHIMABUKURO 2004/03/31
APPR: MSASAO 2004/04/02

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 55909

molex

0.4 B-TO-B CONN. H = 1.5 / 1.8
J-BEND PLUG

PRODUCT CUSTOMER DRAWING

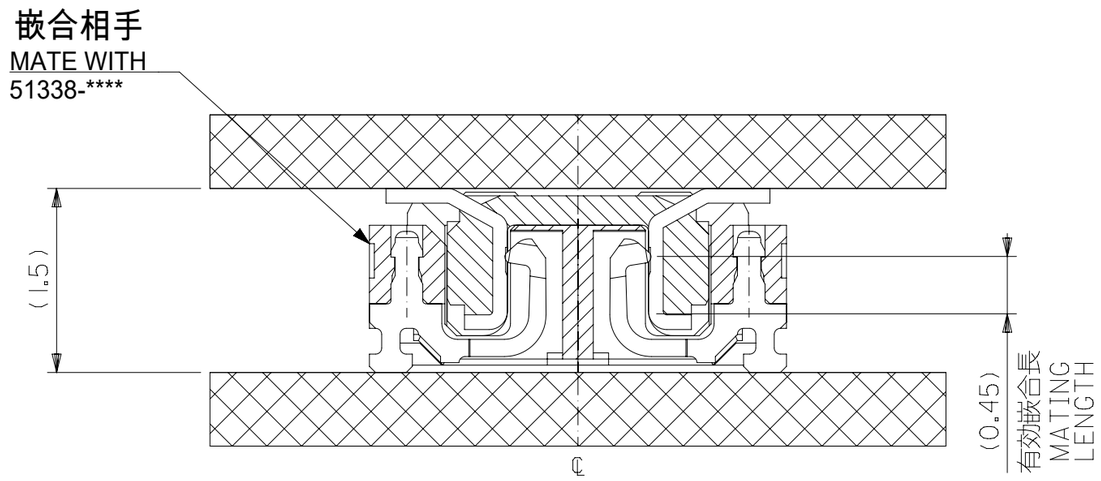
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-55909-003	PSD	001	J

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

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/23 16:23:57

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

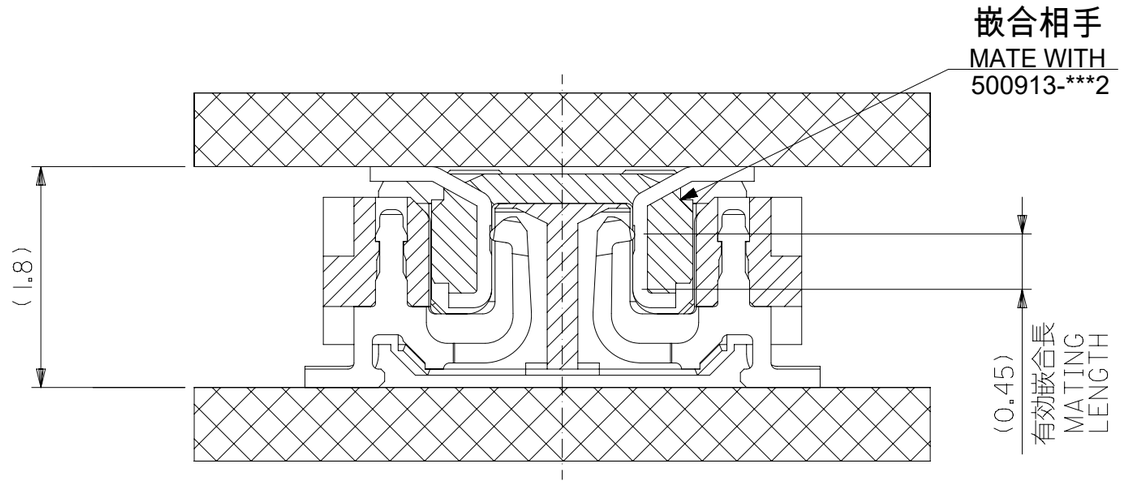
MATE : 55909 WITH 51338



嵌合断面図（参考）

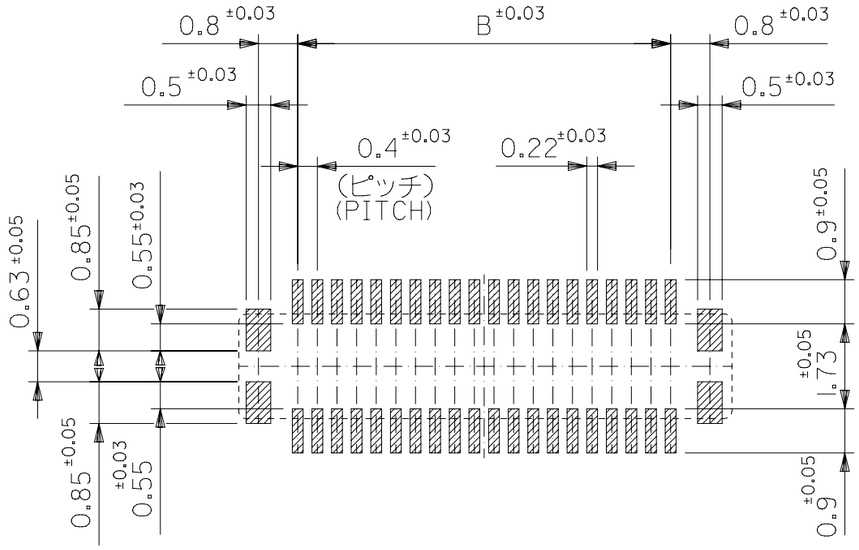
MATED DRAWING (REFERENCE)

MATE : 55909 WITH 500913



嵌合断面図（参考）

MATED DRAWING (REFERENCE)



参考基板レイアウト（マウント面）

P.C.BOARD PATTERN DIMENSION.
(REFERENCE)
(MOUNTING AREA)

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 739909
DRWN: RAJMOK 2023/02/21
CHK'D: HSHIMOYAMA 2023/02/23
APPR: YNAITO 2023/02/23

INITIAL REVISION:
DRWN: HSHIMABUKURO 2004/03/31
APPR: MSASAO 2004/04/02

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 55909

molex

0.4 B-TO-B CONN. H = 1.5 / 1.8
J-BEND PLUG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-55909-003	PSD	001	J

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

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/23 16:23:57

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01