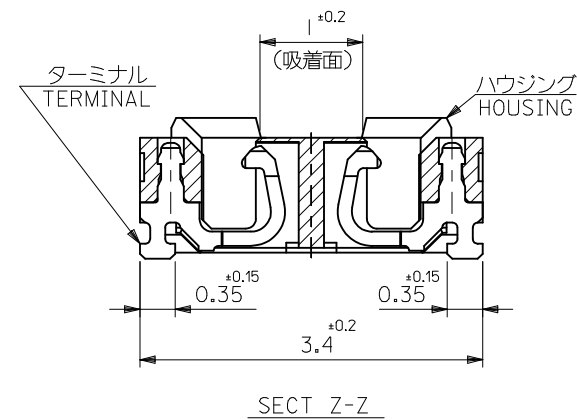
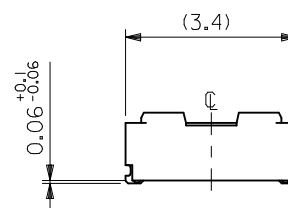
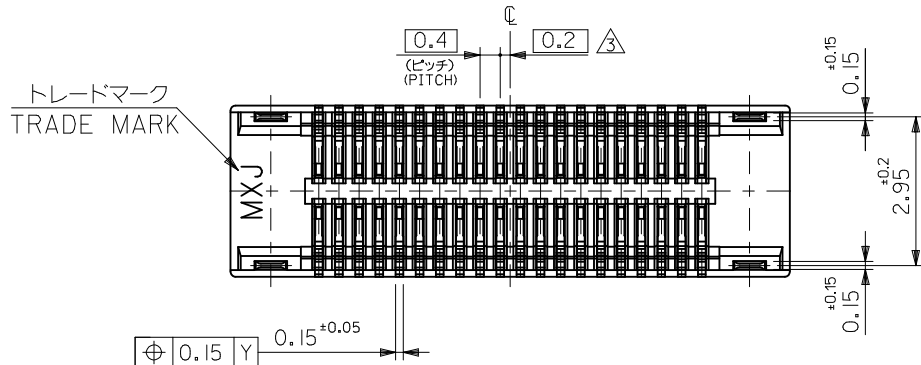
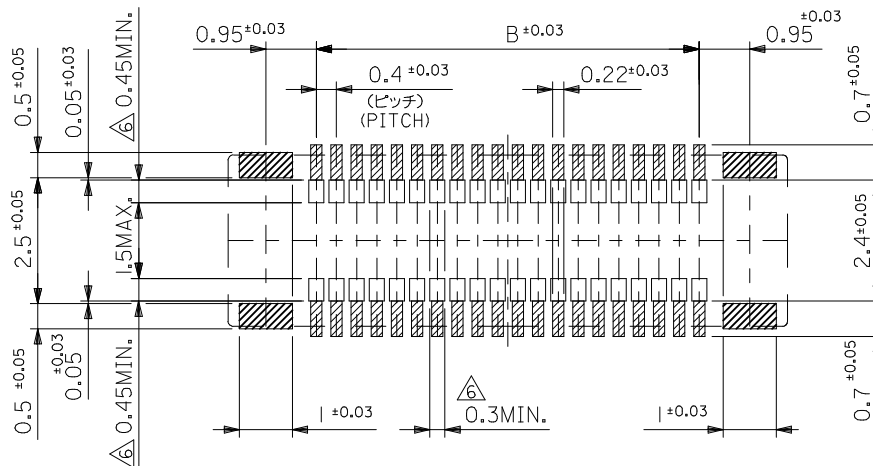




5.5	3.6	7.1	51338-0220	20
C	B	A	EMBOSSSED TAPE PKG.	CKT.
			ORDER No. オーダー番号	
CONNECTOR SERIES No.			51338-**-19	

RELEASED	EC NO: J2015-0350	DRWN:YFUJIMAKI	2014/09/08	CHKD:TASAKAWA	2014/09/08	APPR:KMORIKAWA	2014/12/02	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
								10 UNDER ± ---		DRAWN BY DATE YFUJIMAKI 2014/09/08		TITLE 0.4 B-TO-B REC ASSY HGT=1.5 J-BEND TAIL -LEAD FREE-			
								10 OVER 30 UNDER ± ---		CHECKED BY DATE TASAKAWA 2014/09/08					
								30 OVER ± ---		APPROVED BY DATE KMORIKAWA 2014/12/02					
								ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		RSD-51338-080				1 OF 2							
0	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													



参考基板レイアウト (マウント面)
P.C.BOARD PATTERN DIMENSION (REFERENCE)
(MOUNTING AREA)

注記 NOTES:

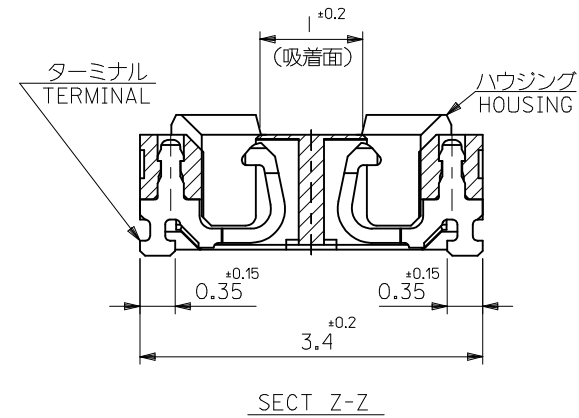
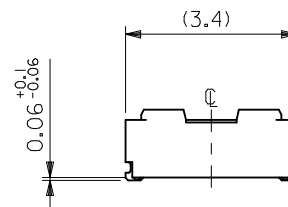
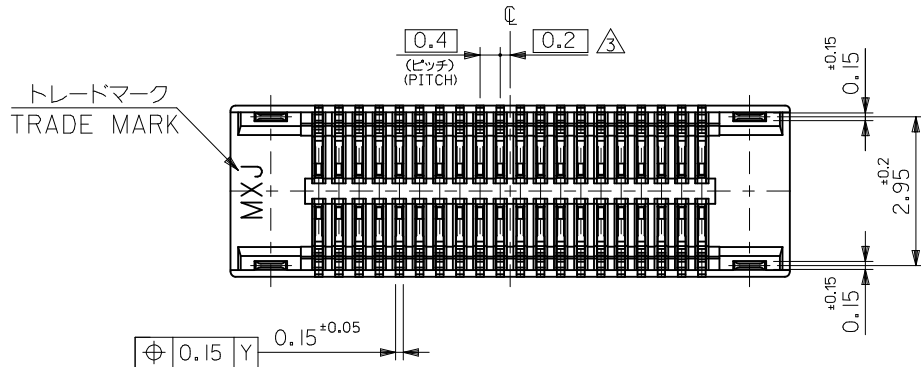
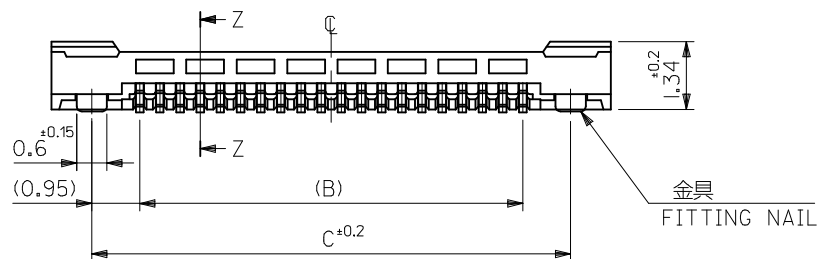
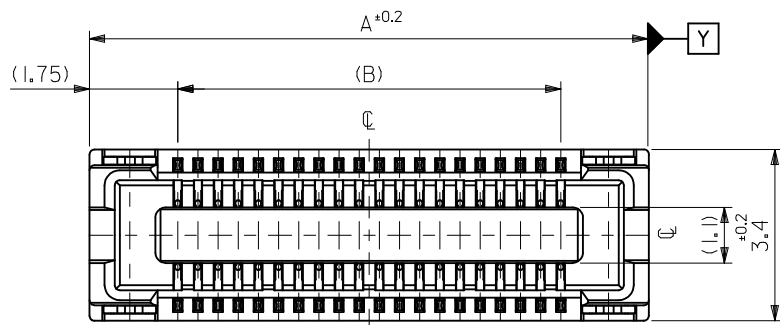
1. 使用材料 MATERIAL
ハウジング: 液晶ポリマー (LCP) ガラス充填 UL94V-0 (黒)
HOUSING: LIQUID CRYSTAL POLYMER (GLASS FILLED)
UL94V-0 (COLOR: BLACK)
ターミナル: リン青銅 (t=0.15)
TERMINAL: PHOSPHOR BRONZE (t=0.15)
金具: リン青銅 (t=0.15)
FITTING NAIL: PHOSPHOR BRONZE (t=0.15)
2. メッキ仕様 PLATING
ターミナル TERMINAL
コンタクト部: 部分金めっき (0.76 µm 以上)
CONTACT AREA: SEPARATED GOLD PLATING
(0.76 MICROMETER MINIMUM)
テール部: 部分金めっき
SOLDER TAIL AREA: SEPARATED GOLD PLATING
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 1.5 MICROMETER MINIMUM
*コンタクト部とテール部はニッケルメッキによって分断されている金メッキです。
DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.
3. 金具 FITTING NAIL
錫メッキ 1.0 マイクロメートル以上
TIN PLATING 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
4. 嵌合相手: 55909 シリーズ
MATE WITH: 55909 SERIES.
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 0.08 MAXIMUM
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM
6. 同一回路以外のパターン書込み禁止範囲を示す。
NO PRINT CIRCUIT AREA OTHER THAN THE SAME CIRCUIT.

SEE SHEET 1 OF 2
EC NO: J2015-0350
DRWN: YFUJIMAKI 2014/09/08
CHKD: TASAKAWA 2014/09/08
APPR: KMORIKAWA 2014/12/02

GENERAL TOLERANCES (UNLESS SPECIFIED)		
10 UNDER	±---	
10 OVER 30 UNDER	±---	
30 OVER	±---	
ANGULAR	±---	°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

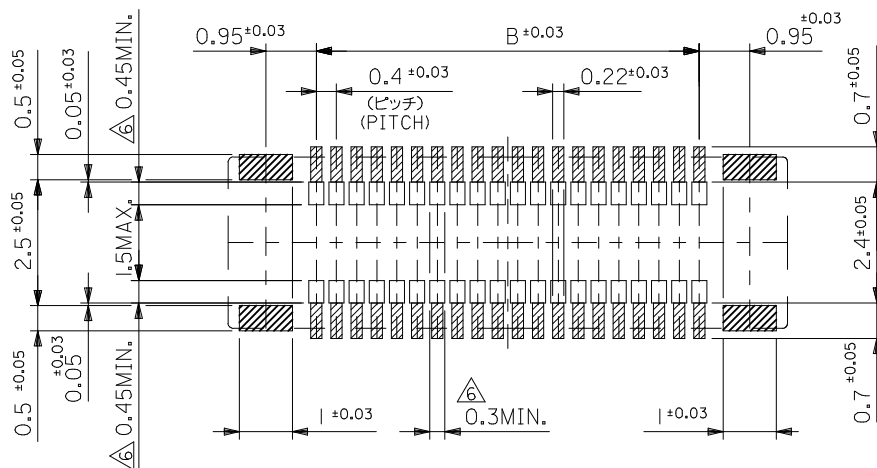
DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
YFUJIMAKI	2014/09/08
CHECKED BY	DATE
TASAKAWA	2014/09/08
APPROVED BY	DATE
KMORIKAWA	2014/12/02
MATERIAL NO.	
SEE SHEET 1	
SIZE	
A3	

51338-**19		MODEL NO.	
SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
TITLE			
0.4 B-TO-B REC ASSY HGT=1.5 J-BEND TAIL -LEAD FREE-			
molex			
DOCUMENT NO. RSD-51338-080		SHEET NO. 2 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



21.5	19.6	23.1	51338-1074	100
19.5	17.6	21.1	51338-0974	90
17.5	15.6	19.1	51338-0874	80
15.5	13.6	17.1	51338-0774	70
13.5	11.6	15.1	51338-0674	60
11.5	9.6	13.1	51338-0574	50
9.5	7.6	11.1	51338-0474	40
8.3	6.4	9.9	51338-3474	34
7.5	5.6	9.1	51338-0374	30
6.7	4.8	8.3	51338-2674	26
6.3	4.4	7.9	51338-2474	24
5.9	4.0	7.5	51338-2274	22
5.5	3.6	7.1	51338-0274	20
4.7	2.8	6.3	51338-1674	16
3.9	2.0	5.5	51338-9974	12
C	B	A	EMBOSSD TAPE PKG. ORDER No. オーダー番号	CKT.
CONNECTOR SERIES No.			51338-***9	

REVISED EC NO: J2013-0254 2012/08/28 DRW:K.TOYODA 2012/08/28 CHKD:TASAKAWA 2012/08/28 APPR:TASAKAWA 2012/08/31	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
		10 UNDER	± ---	DRAWN BY M.NINOMIYA	DATE 2004/03/17	TITLE 0.4 B-TO-B REC ASSY HGT=1.5 J-BEND TAIL -LEAD FREE-							
		10 OVER 30 UNDER	± ---	CHECKED BY K.TOJO	DATE 2004/03/17								
		30 OVER	± ---	APPROVED BY M.SASAO	DATE 2004/03/17	molex							
		ANGULAR ± --- °		MATERIAL NO.							DOCUMENT NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51338-003						1 OF 2		
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



参考基板レイアウト (マウント面)
P.C.BOARD PATTERN DIMENSION (REFERENCE)
(MOUNTING AREA)

注記 NOTES:

1. 使用材料 MATERIAL
ハウジング:液晶ポリマー (LCP) ガラス充填 UL94V-0 (黒)
HOUSING: LIQUID CRYSTAL POLYMER (GLASS FILLED)
UL94V-0 (COLOR: BLACK)
ターミナル:リン青銅 (t=0.15)
TERMINAL: PHOSPHOR BRONZE (t=0.15)
金具:リン青銅 (t=0.15)
FITTING NAIL: PHOSPHOR BRONZE (t=0.15)
2. メッキ仕様 PLATING
ターミナル TERMINAL
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
*コンタクト部とテール部はニッケルメッキによって分断されている金メッキです。
DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.
金具 FITTING NAIL
鍍メッキ 1.0 マイクロメートル以上
TIN PLATING 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. (全極数/2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN.
4. 嵌合相手: 55909シリーズ
MATE WITH: 55909 SERIES.
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 0.1MAXIMUM
6. 同一回路以外のパターン書込み禁止範囲を示す。
NO PRINT CIRCUIT AREA OTHER THAN THE SAME CIRCUIT.
7. 本製品は 51338-***3 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 51338-***3.

SEE SHEET 1 OF 2
EC NO: J2013-0254
2012/08/28
DRW: KTOYODA
2012/08/28
CHKD: TASAKAWA
2012/08/31
APPR: TASAKAWA
REV
G

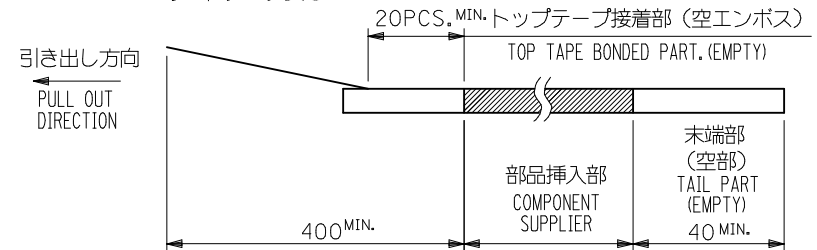
GENERAL TOLERANCES (UNLESS SPECIFIED)		
10 UNDER	±---	
10 OVER 30 UNDER	±---	
30 OVER	±---	
ANGULAR	±---	°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
M. NINOMIYA	2004/03/17
CHECKED BY	DATE
K. TOJO	2004/03/17
APPROVED BY	DATE
M. SASAO	2004/03/17
MATERIAL NO.	
SEE SHEET 1	
SIZE	
A3	

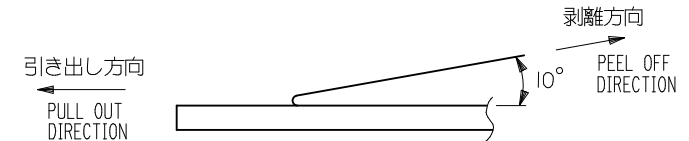
51338-***9		MODEL NO.	
SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE			
0.4 B-TO-B REC ASSY HGT=1.5 J-BEND TAIL -LEAD FREE-			
molex			
DOCUMENT NO. SD-51338-003			SHEET NO. 2 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

NOTES

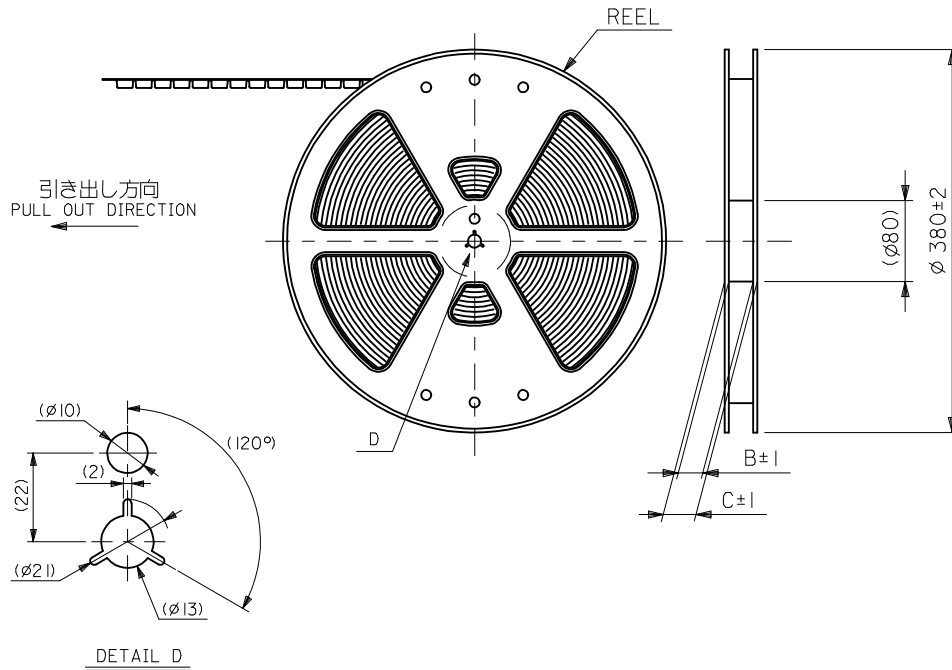
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量：2500個/リール
NUMBER OF CONNECTORS : 2500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



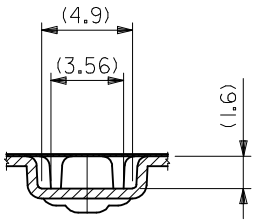
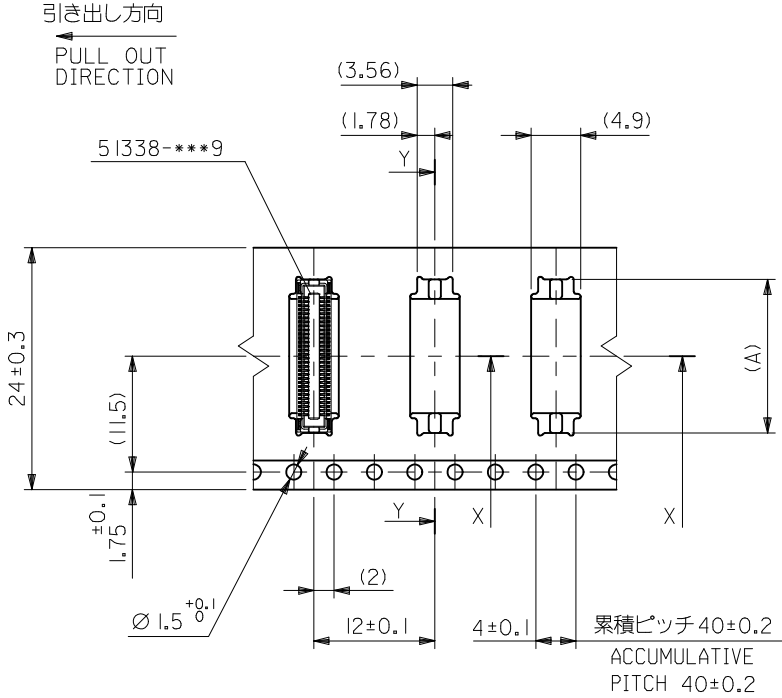
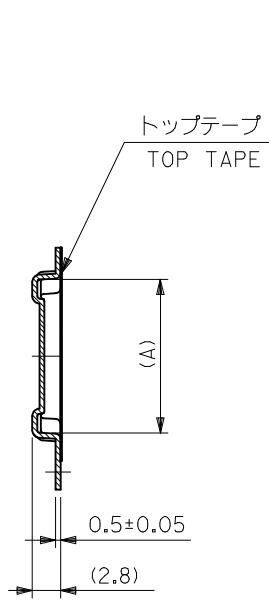
- トップテープの剥離強度： 0.1N ～ 1.3N (10gf ～ 130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N ～ 1.3N (10gf ～ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



- 材料
キャリアテープ (CARRIER TAPE)：ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE)：PET , PE , PEF
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>
- 本製品は 51338-**** の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 51338-****.
- ELV 及び RoHS 適合品。
ELV AND RoHS COMPLIANT.



REVISED EC NO: J2013-0254 G DRWN:KTOYODA CHKD:TASAKAWA APPR:TASAKAWA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	M. NINOMI	DATE 2004/03/17	TITLE 0.4 B-TO-B CONN. REC ASSY(HGT=1.5) EMBSTP PKG				
		10 OVER 30 UNDER	± ---	CHECKED BY K. TOJO	DATE 2004/03/17					
		30 OVER	± ---	APPROVED BY M. SASAO	DATE 2004/03/17	molex				
		ANGULAR	± --- °	MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51338-004			1 OF 4	
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



24	29.4	25.4	15.26	51338-0674	60
			13.26	51338-0574	50
			11.26	51338-0474	40
			10.06	51338-3474	34
			9.26	51338-0374	30
			8.46	51338-2674	26
			8.06	51338-2474	24
			7.66	51338-2274	22
			7.26	51338-0274	20
			6.46	51338-1674	16
			5.66	51338-9974	12
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	EMBOSSED PACKAGE	CKT.
				ORDER NO. オーダー番号	

SEE SHEET 1 OF 4
EC NO.: J2013-0254
DRAWN: KTOYODA 2012/08/28
CHKD: TASAKAWA 2012/08/28
APPR: TASAKAWA 2012/08/31

REV
G

DESCRIPTION
GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY
M. NINOMI
DATE
2004/03/17
CHECKED BY
K. TOJO
DATE
2004/03/17
APPROVED BY
M. SASAO
DATE
2004/03/17
MATERIAL NO.
SEE SHEET

SCALE

DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION
TITLE
0.4 B-T-O-B CONN. REC
ASSY(HGT=1.5) EMBSTP PKG
DOCUMENT NO.
SD-51338-004
SHEET NO.
2 OF 4

CONNECTOR SERIES No.
51338-***9

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

10

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7

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5

4

3

2

1

引き出し方向
PULL OUT
DIRECTION

トップテープ
TOP TAPE

51338-***9

SECT:Y-Y

SECT:X-X

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	37.4	33.4	21.26	51338-0974	90
			19.26	51338-0874	80
			17.26	51338-0774	70
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	EMBOSSED PACKAGE ORDER NO. オーダー番号	CKT.

SEE SHEET 1 OF 4 EC NO: J2013-0254 DRAWN: KTOYODA 2012/08/29 CHKD: TASAKAWA 2012/08/29 APPR: TASAKAWA 2012/08/31	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
		10 UNDER ± ---		DRAWN BY DATE M. NINOMI 2004/03/17		TITLE 0.4 B-TO-B CONN. REC ASSY(HGT=1.5) EMBSTP PKG							
		10 OVER 30 UNDER ± ---		CHECKED BY DATE K. TOJO 2004/03/17									
		30 OVER ± ---		APPROVED BY DATE M. SASAO 2004/03/17		DOCUMENT NO. SD-51338-004							
		ANGULAR ± --- °		MATERIAL NO.						SHEET NO. 3 OF 4			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART									
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

9

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10

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5

4

3

2

1

引き出し方向
PULL OUT
DIRECTION

トップテープ
TOP TAPE

51338-***9

(3.56)

(1.78)

(4.9)

 $1.5^{+0.1}_0$

Y

 $0.2^{+0.15}_{-0.05}$ 44 ± 0.3 40.4 ± 0.1

(20.2)

(A)

(A)

 0.5 ± 0.05

(2.8)

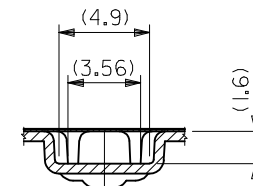
SECT:Y-Y

 ± 0.1

1.75

 $\phi 1.5^{+0.1}_0$

(2)

 12 ± 0.1 4 ± 0.1 累積ピッチ 40 ± 0.2 ACCUMULATIVE
PITCH 40 ± 0.2 

SECT:X-X

44mm幅キャリアテープ

44mm WIDTH CARRIER TAPE

44	49.4	45.4	23.26	51338-1074	100
キャリアテープ幅 CARRIER TAPE WIDTH		C	B	(A)	EMBOSSED PACKAGE ORDER NO. オーダー番号
CONNECTOR SERIES No.					51338-***9
					CKT.

SEE SHEET 1 OF 4 EC NO: J2013-0254 DRAWN: KTOYODA 2012/08/28 CHKD: TASAKAWA 2012/08/28 APPR: TASAKAWA 2012/08/31	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER ± ---		DRAWN BY DATE M. NINOMI 2004/03/17		TITLE 0.4 B-TO-B CONN. REC ASSY(HGT=1.5) EMBSTP PKG			
		10 OVER 30 UNDER ± ---		CHECKED BY DATE K. TOJO 2004/03/17					
		30 OVER ± ---		APPROVED BY DATE M. SASAO 2004/03/17		molex			
		ANGULAR ± --- °		MATERIAL NO.					
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51338-004		4 OF 4	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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2