

## 注記 NOTES

### 1. 使用材料 : MATERIAL

ハウジング : 46NYLON UL94V-0  
HOUSING

アクチュエータ : PPS UL94V-0  
ACTUATOR

ターミナル : リン青銅 (t=0.2)  
TERMINAL PHOS-BRO

接点部 金メッキ 0.1マイクロメートル以上  
CONTACT GOLD 0.1 MICROMETER MINIMUM

半田付け部 錫メッキ 1.0マイクロメートル以上  
TAIL TIN 1.0 MICROMETER MINIMUM

ニッケル下地 1.0マイクロメートル以上  
NICKEL (UNDER PLATING) 1.0 MICROMETER MINIMUM

金具 : リン青銅 (t=0.4)  
FITTING NAIL PHOS-BRO

錫メッキ 1.0マイクロメートル以上  
TIN 1.0 MICROMETER MINIMUM

ニッケル下地 1.0マイクロメートル以上  
NICKEL (UNDER PLATING) 1.0 MICROMETER MINIMUM

2. エンボステープ梱包時は、アクチュエータがロックした状態とする。  
IN THE PACKAGE, ACTUATOR OF PART NO. 52559-\*\*\*79 SHOULD BE LOCKED.

△ソルダータール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 [G] に対し上方向 0.05 MAX. , 下方向 0.15 MAX. とする。  
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM [G]  
UPPER DIRECTION: 0.05 MAX. , LOWER DIRECTION: 0.15 MAX.

△偶数極に適用。  
APPLY FOR EVEN CIRCUIT.

△パターンはくり止め用金具。  
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.

△R0.3は、FPCの導体部にカカらないこと。  
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

REVISED EC NO.: J2016-0020 DRWN:YUHASAGAWA 2015/07/106 CHKD: APPR:YNOGAWA 2015/07/110	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		0.25 UNDER	UNDER	±0.03	DRAWN BY	DATE	TITLE 0.5 FPC CONN ASSY ZIF.			
		0.25 OVER	0.5 UNDER	±0.05	MNABEI	'04/07/13				
		0.5 OVER	1.0 UNDER	±0.1	CHECKED BY	DATE	-LEAD FREE- <b>molex</b>			
		1.0 OVER	10 UNDER	±0.2	KTOJO	'04/07/13				
		10 OVER	30 UNDER	±0.25	APPROVED BY	DATE	SD-52559-048			
		30 OVER		±0.3	NUKITA	'04/07/13				
		ANGULAR ±3°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 2				1 OF 2	
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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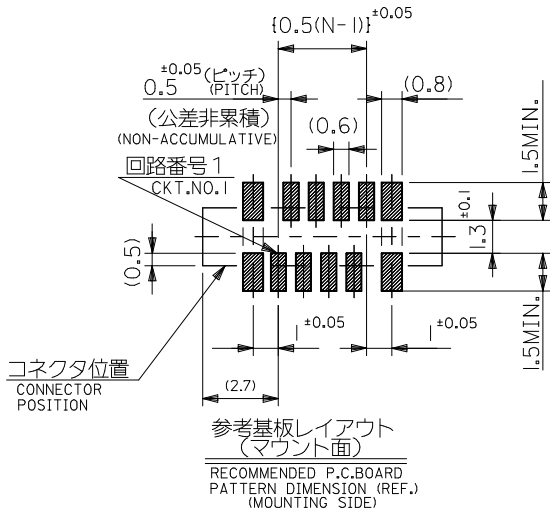
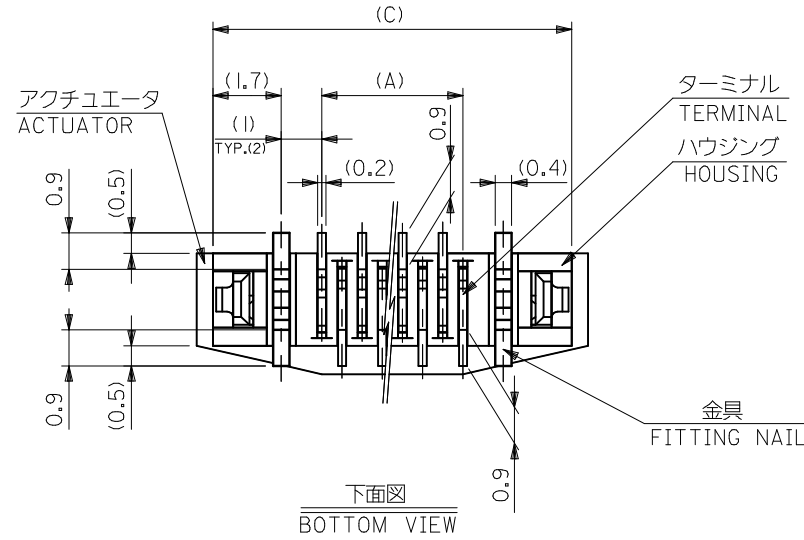
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FPCについて：  
打抜き方向は導体側から補強板側を推奨致します。  
補強フィルム材質はポリイミドを推奨致します。  
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC :  
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.  
RECOMMENDED MATERIAL :  
STIFFENER FILM : POLYIMIDE  
BONDING AGENT : THERMOSETTING BONDING AGENT



適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION.  
(仕上がり厚さ: 0.3 ±0.05)  
(THICKNESS: 0.3 ±0.05)

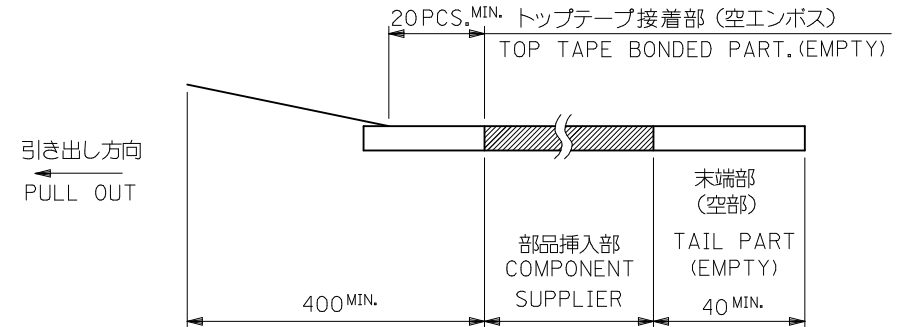
適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION.  
(仕上がり厚さ: 0.3 ±0.05)  
(THICKNESS: 0.3 ±0.05)

25.7	24.9	20.65	19.5	52559-4079	40
23.7	22.9	18.65	17.5	-3679	36
22.2	21.4	17.15	16.0	-3379	33
21.7	20.9	16.65	15.5	-3279	32
20.7	19.9	15.65	14.5	-3079	30
19.7	18.9	14.65	13.5	-2879	28
19.2	18.4	14.15	13.0	-2779	27
18.7	17.9	13.65	12.5	-2679	26
18.2	17.4	13.15	12.0	-2579	25
17.7	16.9	12.65	11.5	-2479	24
17.2	16.4	12.15	11.0	-2379	23
16.7	15.9	11.65	10.5	-2279	22
16.2	15.4	11.15	10.0	-2179	21
15.7	14.9	10.65	9.5	-2079	20
14.7	13.9	9.65	8.5	-1879	18
14.2	13.4	9.15	8.0	-1779	17
13.7	12.9	8.65	7.5	-1679	16
13.2	12.4	8.15	7.0	-1579	15
12.7	11.9	7.65	6.5	-1479	14
12.2	11.4	7.15	6.0	-1379	13
11.7	10.9	6.65	5.5	-1279	12
10.7	9.9	5.65	4.5	-1079	10
10.2	9.4	5.15	4.0	-0979	9
9.7	8.9	4.65	3.5	-0879	8
8.7	7.9	3.65	2.5	52559-0679	6
D	C	B	(A)	CONNECTOR SERIES No.	極数 CKT.
ORDER No. : 52559-**52/-**53/-**54/-**56					

REVISED EC NO: J2016-0020 DRWN: YUHASAGAWA 2015/07/06 CHKD: APPR: YNOGAWA 2015/07/10	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
		0.25 UNDER	UNDER	±0.03	DRAWN BY MNABEI	DATE '04/07/13	TITLE 0.5 FPC CONN ASSY ZIF.						
		0.25 OVER	0.5 UNDER	±0.05	CHECKED BY	DATE							
		0.5 OVER	1.0 UNDER	±0.1	KTOJO	'04/07/13	-LEAD FREE- <b>molex</b>						
		1.0 OVER	10 UNDER	±0.2	APPROVED BY	DATE							
D	REV	10 OVER	30 UNDER	±0.25	NUKITA	'04/07/13	SD-52559-048						
		30 OVER		±0.3	MATERIAL NO.	DOCUMENT NO.							
		ANGULAR ±3 °		SEE CHART		SHEET NO. 2 OF 2							
		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								

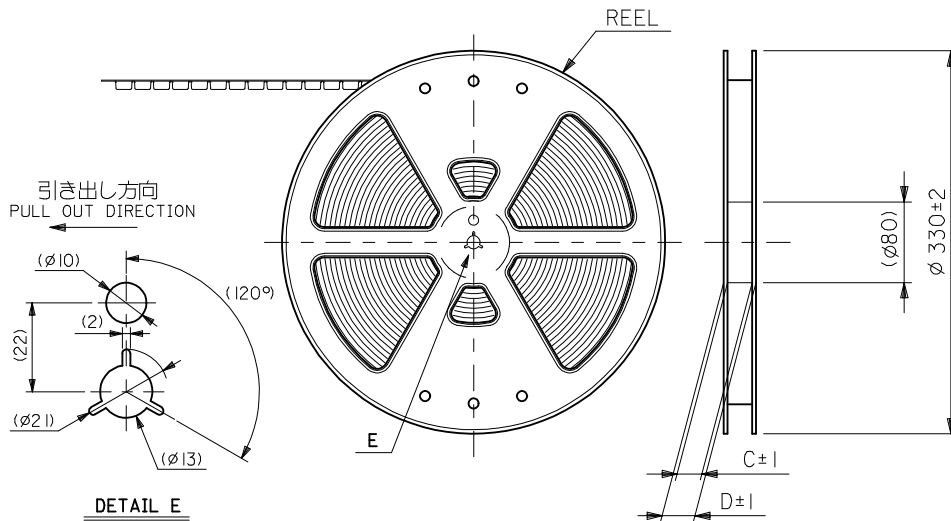
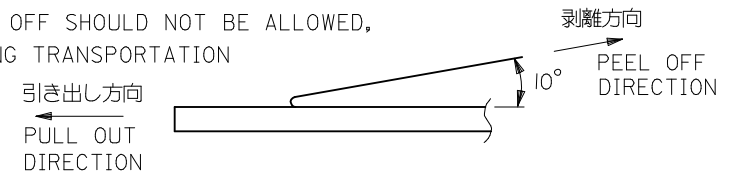
# 注記 NOTES

- 製品番号 52559-\*\*79 の梱包状態はアクチュエータがロックした状態とする。  
詳細寸法については 製品単体図面を参照下さい。  
IN THE PACKAGE,ACTUATOR OF PART NO.52559-\*\*79 SHOULD BE LOCKED  
RE DETAILED DIMENSIONS,SEE ASSY DRAWING
- 梱包数量：1000個／リール  
NUMBER OF CONNECTORS:1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- トップテープの剥離強度：(剥離方向は下図参照)  
0.1N~1.3N {10gf~130gf} 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事。)

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：ポリプロピレン (PP)  
トップテープ：PET, PE, PEF  
リール：ポリスチレン (PS) <リサイクル材を含む>

MATERIAL CARRIER TAPE:POLYPROPYLENE  
TOP TAPE:PET,PE,PEF  
REEL:POLYSTYRENE (PS)  
<RECYCLE MATERIAL CONTAINED>

- 本製品は 52559-\*\*53 のエンボステープ違い品である。  
THIS PRODUCT IS EMBOSSED TAPE DIFFERENCE ARTICLE OF 52559-\*\*53.
- 本製品は乾燥剤入り、ハイバリア梱包仕様である。  
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.

REVISED EC NO: J2016-0020 DRAWN:YUHASAGAWA 2015/07/06 CHKD: APPR:YNOGAWA 2015/07/10	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		0.25 UNDER	UNDER	±0.03	DRAWN BY	DATE	TITLE 0.5 FPC CONN ASSY ZIF FOR SMT EMBSTP PKG -LEAD FREE- <b>molex</b>				
		0.25 OVER	0.5 UNDER	±0.05	MNABEI	'04/07/13					
		0.5 OVER	1.0 UNDER	±0.1	CHECKED BY	DATE					
		4.0 OVER	10 UNDER	±0.2	KTOJO	'04/07/13					
		10 OVER	30 UNDER	±0.25	APPROVED BY	DATE	DOCUMENT NO. SD-52559-049				
		30 OVER		±0.3	NUKITA	'04/07/13					
		ANGULAR ±3 °			MATERIAL NO.		SHEET NO. 1 OF 4				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART							
	REV	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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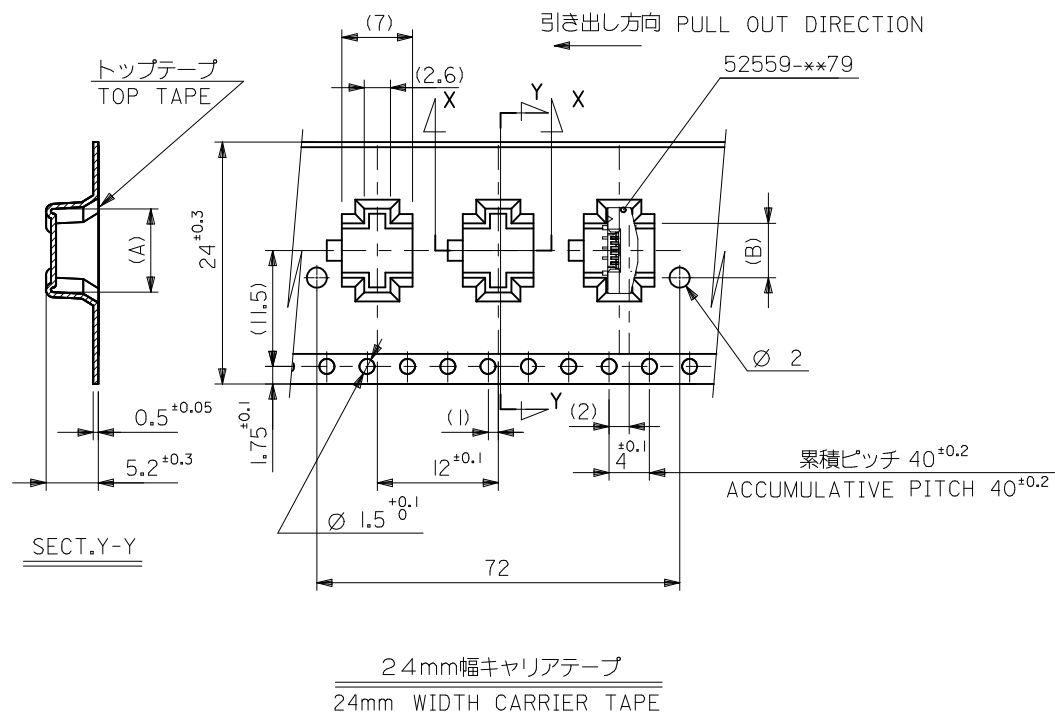
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24	29.4	25.4	14.4	17.3	52559-2452	24
			13.9	16.8	52559-2352	23
			12.9	15.8	52559-2152	21
			12.4	15.3	52559-2052	20
			10.9	13.8	52559-1752	17
			10.4	13.3	52559-1652	16
			9.9	12.8	52559-1552	15
			9.4	12.3	52559-1452	14
			8.4	11.3	52559-1252	12
			7.4	10.3	52559-1052	10
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	6.9	9.8	52559-0952	9
			5.4	8.3	52559-0652	6
			(B)	(A)	MATERIAL NO.	CIRCUIT NO.

REVISED EC NO: J2016-0020 DRWN:YUASEGAWA 2015/07/06 CHKD: APPR:YNOGAWA 2015/07/10 K	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		0.25 UNDER	UNDER	±0.03	DRAWN BY	DATE	TITLE 0.5 FPC CONN ASSY ZIF FOR SMT EMBSTP PKG -LEAD FREE- <b>molex</b> SD-52559-049				
		0.25 OVER	0.5 UNDER	±0.05	MNABEI	'04/07/13					
		0.5 OVER	1.0 UNDER	±0.1	CHECKED BY	DATE					
		1.0 OVER	10 UNDER	±0.2	KTOJO	'04/07/13					
		10 OVER	30 UNDER	±0.25	APPROVED BY	DATE					
		30 OVER		±0.3	NUKITA	'04/07/13					
		ANGULAR ±3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-52559-049		2 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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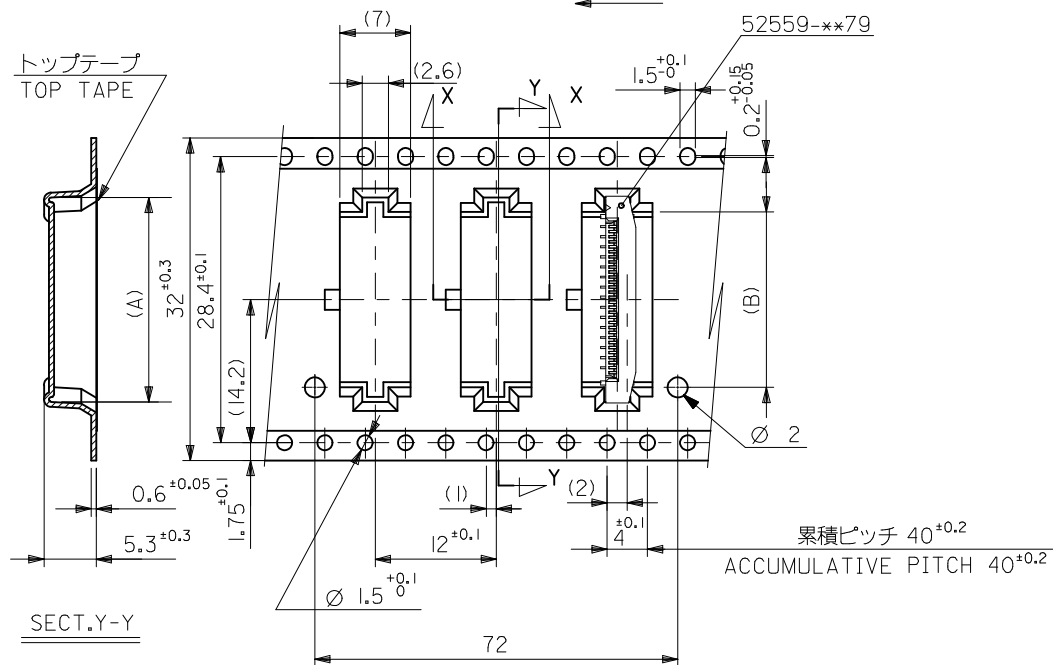
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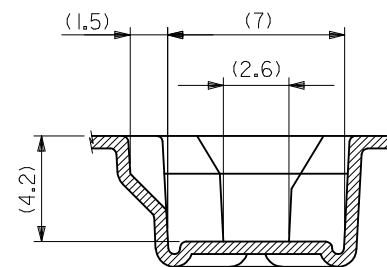
引き出し方向 PULL OUT DIRECTION

52559-\*\*79

トップテープ  
TOP TAPE



SECT.Y-Y



SECT.X-X

32mm幅キャリアテープ  
32mm WIDTH CARRIER TAPE

32	37.4	33.4	18.4	21.3	52559-3252	32
			17.4	20.3	52559-3052	30
			16.4	19.3	52559-2852	28
			15.9	18.8	52559-2752	27
			15.4	18.3	52559-2652	26
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	CIRCUIT NO.

REVISED EC NO: J2016-0020 DRWN:YUASEGAWA 2015/07/06 CHKD: APPR:YNOGAWA 2015/07/10 K	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		0.25 UNDER	UNDER	±0.03	DRAWN BY	DATE	TITLE 0.5 FPC CONN ASSY ZIF FOR SMT EMBSTP PKG -LEAD FREE-				
		0.25 OVER	0.5 UNDER	±0.05	MNABEI	'04/07/13					
		0.5 OVER	1.0 UNDER	±0.1	CHECKED BY	DATE	molex				
		1.0 OVER	10 UNDER	±0.2	KTOJO	'04/07/13					
		10 OVER	30 UNDER	±0.25	APPROVED BY	DATE	SD-52559-049				
		30 OVER		±0.3	NUKITA	'04/07/13					
		ANGULAR ±3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART				3 OF 4		
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

0.5 FPC CONN ASSY ZIF  
FOR SMT EMBSTP PKG  
-LEAD FREE-

**molex**

SD-52559-049

SHEET NO.

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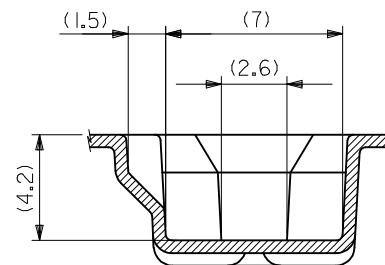
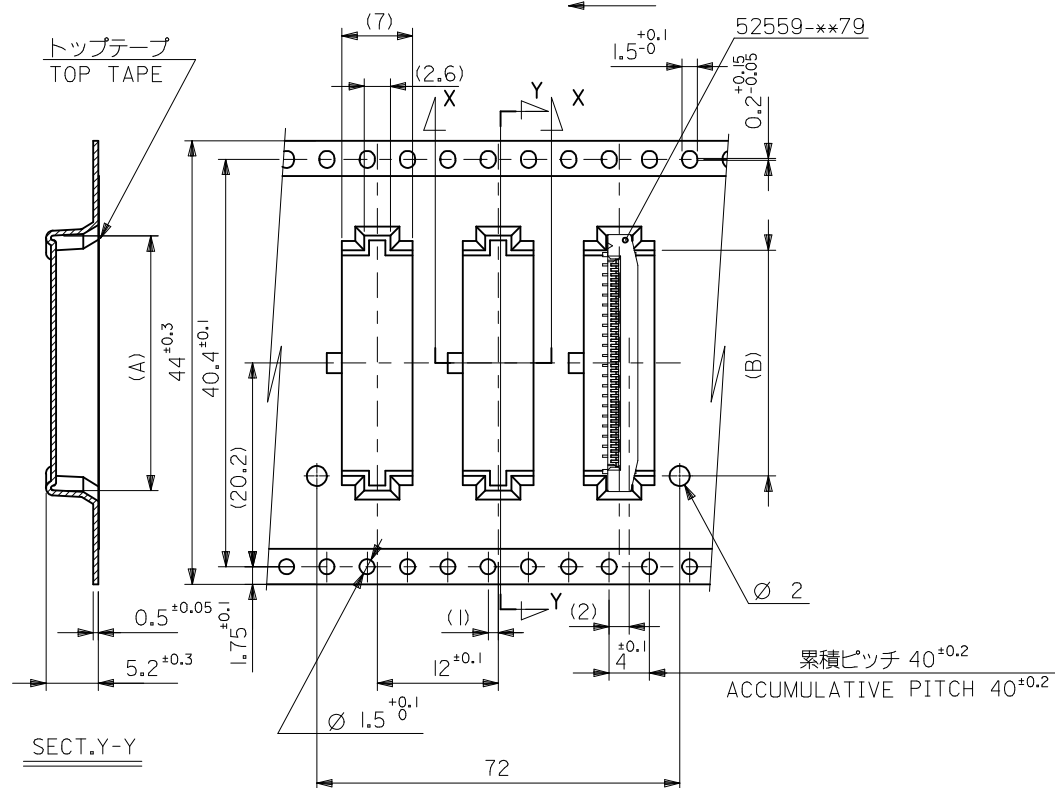
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引き出し方向 PULL OUT DIRECTION



SECT.X-X

44mm幅キャリアテープ  
44mm WIDTH CARRIER TAPE

44	49.4	45.4	22.4	25.3	52559-4052	40
キャリアテープ幅 CARRIER TAPE WIDTH			20.4	23.3	52559-3652	36
D			(B)	(A)	MATERIAL NO.	CIRCUIT NO.

REVISED EC NO: J2016-0020 DRWN:YUASEGAWA 2015/07/106 CHKD: APPR:YNOGAWA 2015/07/10	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		0.25 UNDER	UNDER	±0.03	DRAWN BY	DATE	TITLE 0.5 FPC CONN ASSY ZIF FOR SMT EMBSTP PKG -LEAD FREE- <b>molex</b>				
		0.25 OVER	0.5 UNDER	±0.05	MNABEI	'04/07/13					
		0.5 OVER	1.0 UNDER	±0.1	CHECKED BY	DATE					
		1.0 OVER	10 UNDER	±0.2	KTOJO	'04/07/13					
		10 OVER	30 UNDER	±0.25	APPROVED BY	DATE	SD-52559-049				
		30 OVER		±0.3	NUKITA	'04/07/13					
	ANGULAR ±3 °			MATERIAL NO.		DOCUMENT NO.					SHEET NO.
	REV	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				

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