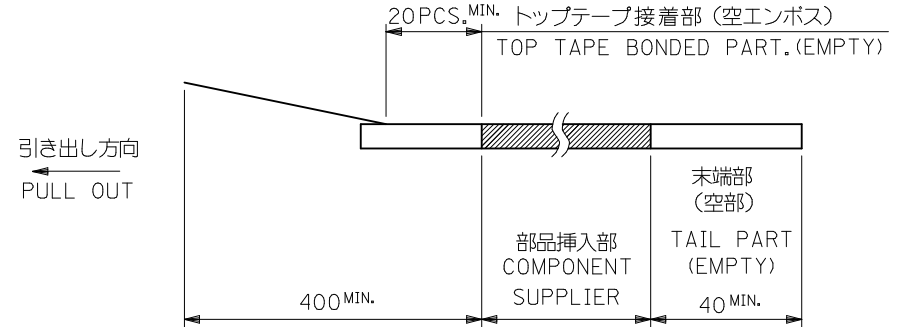


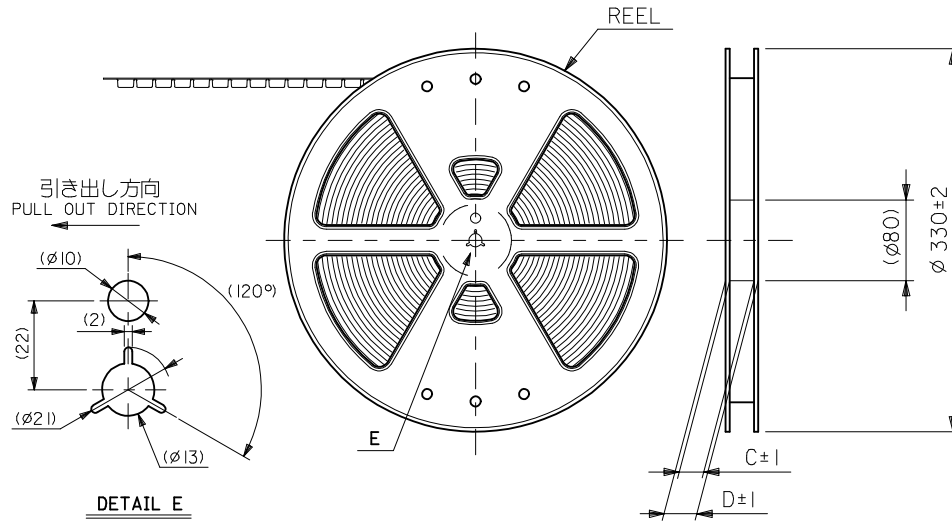
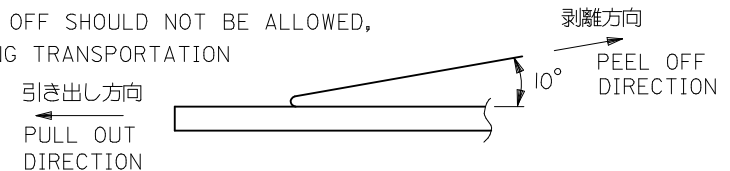
注記 NOTES

- 製品番号 52559-**-I9 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図面 SD-52559-027 を参照下さい。
IN THE PACKAGE,ACTUATOR OF PART NO.52559-**-I9 SHOULD BE LOCKED
RE DETAILED DIMENSIONS,SEE SD-52559-027
- 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）
0.1~1.3N {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
0.1~1.3N{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:POLYSTYREN(PS)
<RECYCLE MATERIAL CONTAINED>

- 本製品は 52559-**-92の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52559-**-92
- 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.

52559-**-72
MODEL NO.

REVISED EC NO: J2009-2061 DRWN:TKON CHKD:HMATSUMOTO APPR:NUKITA	2009/05/20 2009/05/21 2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			10 UNDER	± 0.2	DRAWN BY H. SHIMABUKUR	DATE 2004/01/07	TITLE 0.5 FPC CONN ASSY ZIF SMT ST EMBSTP PKG -LEAD FREE-				
			10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2004/01/07					
			30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/01/07					
			ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2-4		SD-52559-028		1 OF 4		
			REV			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

F

E

D

C

B

A

F

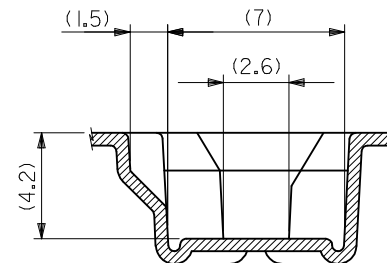
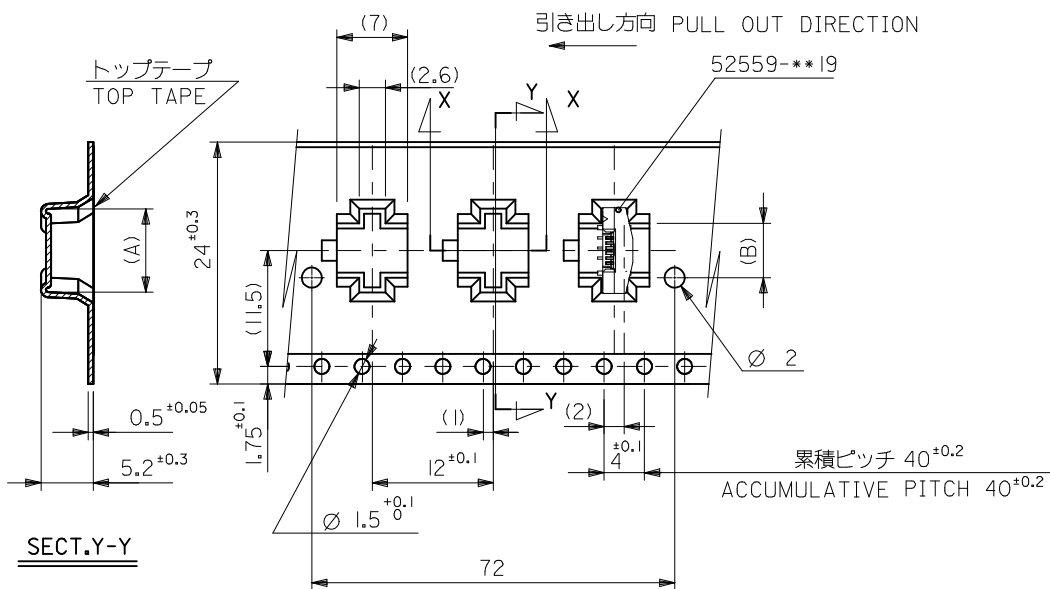
E

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B

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SECT.X-X

SECT.Y-Y

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

52559-**-72
MODEL NO.

キャリアテープ幅
CARRIER TAPE WIDTH

24

29.4

25.4

14.4

17.3

52559-2472

24

13.9

16.8

52559-2372

23

12.9

15.8

52559-2172

21

12.4

15.3

52559-2072

20

10.9

13.8

52559-1772

17

10.4

13.3

52559-1672

16

9.9

12.8

52559-1572

15

9.4

12.3

52559-1472

14

8.4

11.3

52559-1272

12

7.4

10.3

52559-1072

10

6.9

9.8

52559-0972

9

5.4

8.3

52559-0672

6

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
10 UNDER		MM ONLY		---		METRIC		THIRD ANGLE PROJECTION	
10 OVER 30 UNDER		H. SHIMABUKUR 2004/01/07		DATE		TITLE		0.5 FPC CONN ASSY ZIF SMT ST EMBSTP PKG -LEAD FREE-	
30 OVER		K. TOJO 2004/01/07		DATE		MOLEX INCORPORATED		SD-52559-028	
ANGULAR ±3 °		M. SASAO 2004/01/07		DATE		DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		2 OF 4	

10 9 8 7 6 5 4 3 2 1

F

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D

C

B

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F

E

D

C

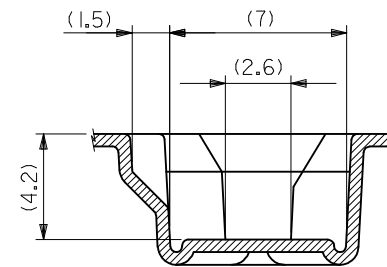
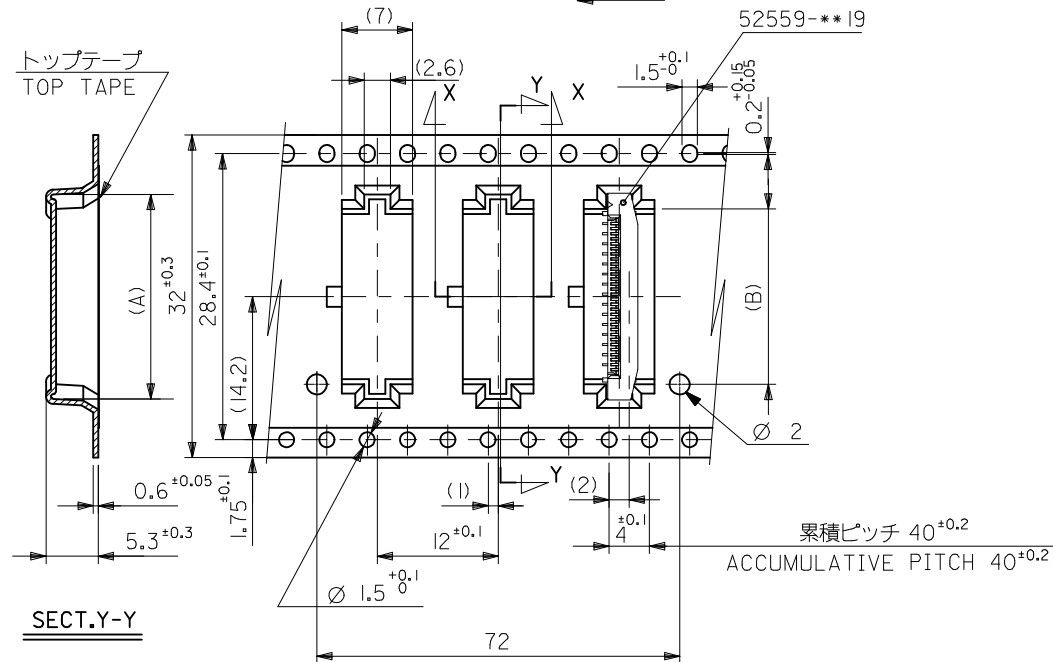
B

A

引き出し方向 PULL OUT DIRECTION

52559-**I9

トップテープ
TOP TAPE



SECT.X-X

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

52559-**72

MODEL NO.

キャリアテープ幅
CARRIER TAPE WIDTH

DIMENSION STYLE

MM ONLY

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTION

DRAWN BY DATE
H. SHIMABUKUR 2004/01/07
CHECKED BY DATE
K. TOJO 2004/01/07
APPROVED BY DATE
M. SASAO 2004/01/07
MATERIAL NO.

TITLE
0.5 FPC CONN ASSY ZIF
SMT ST EMBSTP PKG
-LEAD FREE-
MOLEX INCORPORATED
DOCUMENT NO. SD-52559-028
SHEET NO. 3 OF 4

REVISED
EC NO: J2009-2061
DRWN:TKGN 2009/05/20
CHKD:HMATSUMOTO 2009/05/21
APPR:NUKITA 2009/05/21

DESCRIPTION
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

SIZE
A3

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

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

E

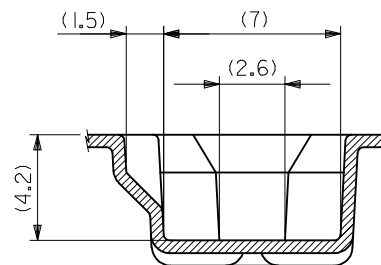
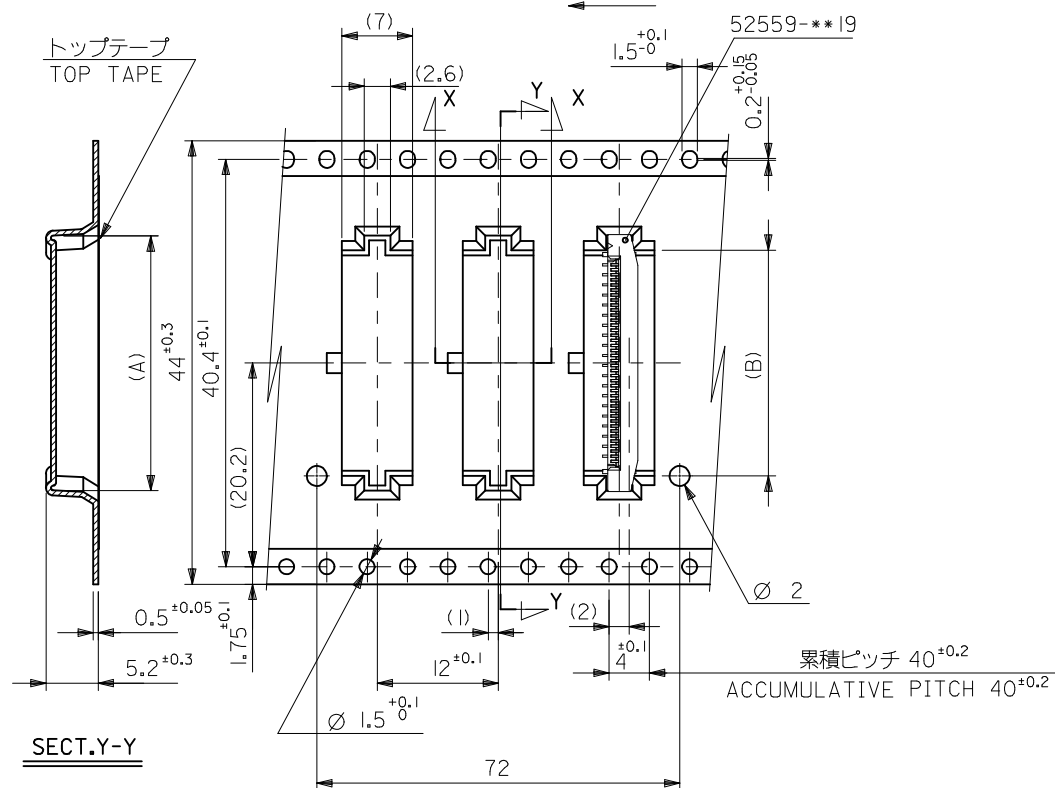
D

C

B

A

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

REVISED EC NO.: J2009-2061 DRWN:TKN CHKD:HMATSUMOTO APPR:NUKITA	DESCRIPTION REV	2009/05/20 2009/05/21 2009/05/21	52559-**-72		44	49.4	45.4	22.4	23.3	25.3	52559-4072	40	
			MODEL NO.		キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	52559-3672	36		
			GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY			SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		
			10 UNDER	±0.2	DRAWN BY H. SHIMABUKUR		DATE 2004/01/07		0.5 FPC CONN ASSY ZIF SMT ST EMBSTP PKG -LEAD FREE- MOLEX INCORPORATED SD-52559-028				
			10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO		DATE 2004/01/07						
			30 OVER	±0.3	APPROVED BY M. SASAO		DATE 2004/01/07						
ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 4 OF 4							
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									

DWG. NO.
SD-52559-045

F

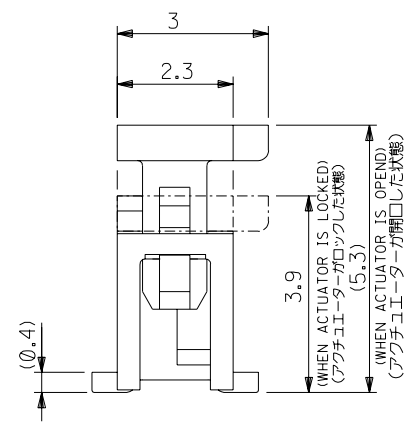
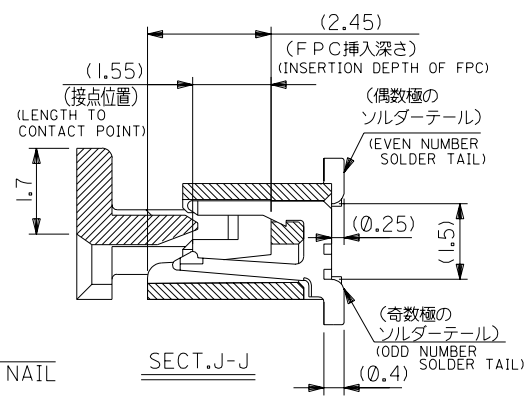
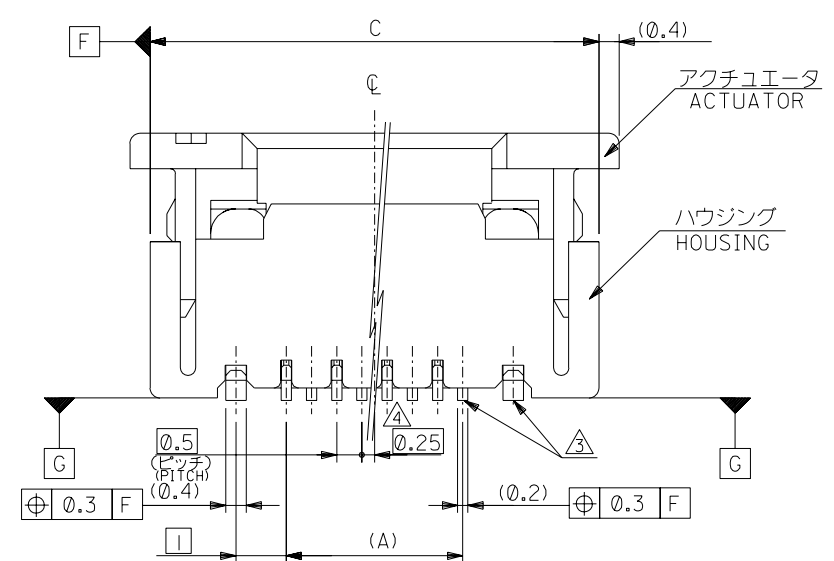
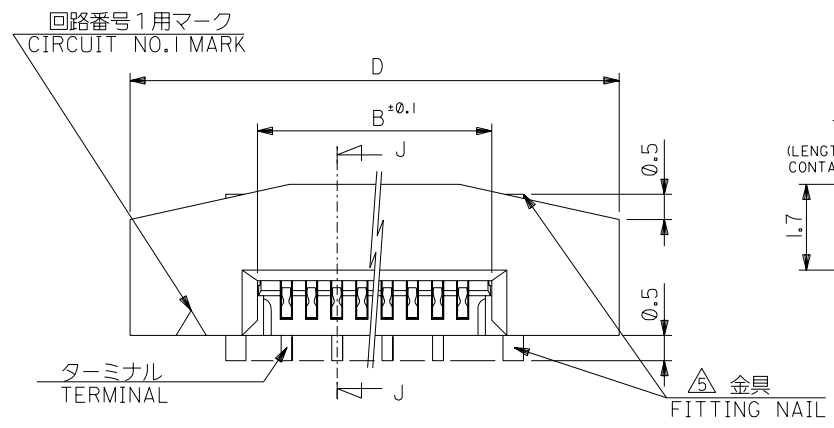
D

A

C

B

DO NOT SCALE DRAWING



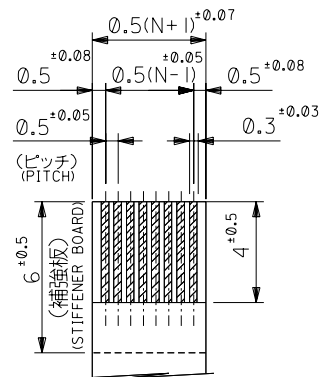
注記 NOTES

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
: 錫ビスマスメッキ 1.0 マイクロメートル以上
TIN-BISMUTH 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-**19 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の導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
7. 本製品は 52559-**17 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52559-**17

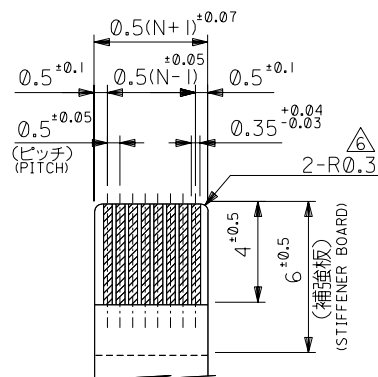
REVISED			MATERIAL		GENERAL TOLERANCES:		SCALE	DESIGN UNITS	2RD ANGLE		mm INCH mm ONLY		SHY REV			
DRAWN: H.KAWABATA '04/04/05			材料		UNLESS SPECIFIED		—	☒ mm ☐ INCH	PROJECTION		☐ INCH ☐ mm ☒ mm ONLY		REVISE ON CAD ONLY			
CH'K: K.TOJO '04/04/05			注記参照		一般公差		10 UNDER 未満	±0.2	DRAWN BY & DATE		TITLE: 0.5 FPC Conn. Assy ZIF. -LEAD FREE-					
APPR: H. Sato '04/04/05			SEE NOTES				10 OVER 以上 30 UNDER 未満	±0.25	CHECKED BY & DATE							
							30 OVER 以上	±0.3	APPROVED BY & DATE							
REVISED			FINISH		WIRE RANGE		ANGLE 角度		CAD FILENAME		MATERIAL NO.		DRAWING NO.		SHEET NO.	
DRAWN: H.KAWABATA '04/04/05			仕上り		適用電線範囲		±3°		SD-52559-045.S01		SEE CHART		SD-52559-045		1 OF 2	
CH'K: K.TOJO '04/04/05																
APPR: H. Sato '04/04/05																
REVISED			DESCRIPTION		INS. RANGE				DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				SIZE			
DRAWN: H.KAWABATA '04/04/05					被覆外径								B			
CH'K: K.TOJO '04/04/05																
APPR: H. Sato '04/04/05																

SD-52559-045.50

1



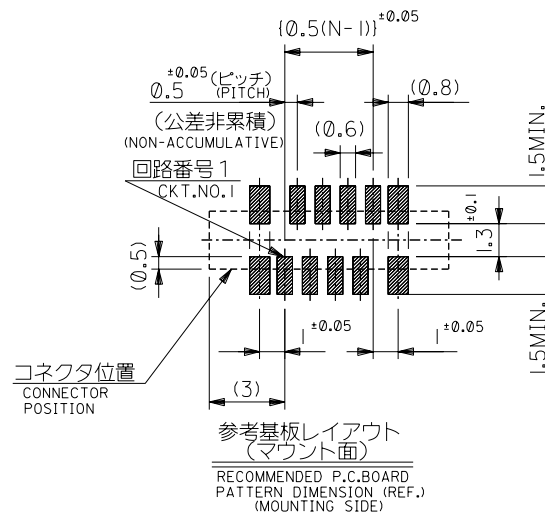
適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION.
(仕上がり厚さ: $0.3^{+0.05}$)
(THICKNESS: $0.3^{+0.05}$)



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION.
(仕上がり厚さ: $0.3^{+0.05}$)
(THICKNESS: $0.3^{+0.05}$)

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

25.7	24.9	20.6
------	------	------



25.7	24.9	20.65	19.5	52559-40 19	40
23.7	22.9	18.65	17.5	-36 19	36
22.2	21.4	17.15	16.0	-33 19	33
21.7	20.9	16.65	15.5	-32 19	32
21.2	20.4	16.15	15.0	-31 19	31
20.7	19.9	15.65	14.5	-30 19	30
20.2	19.4	15.15	14.0	-29 19	29
19.7	18.9	14.65	13.5	-28 19	28
19.2	18.4	14.15	13.0	-27 19	27
18.7	17.9	13.65	12.5	-26 19	26
18.2	17.4	13.15	12.0	-25 19	25
17.7	16.9	12.65	11.5	-24 19	24
17.2	16.4	12.15	11.0	-23 19	23
16.7	15.9	11.65	10.5	-22 19	22
16.2	15.4	11.15	10.0	-21 19	21
15.7	14.9	10.65	9.5	-20 19	20
15.2	14.4	10.15	9.0	-19 19	19
14.7	13.9	9.65	8.5	-18 19	18
14.2	13.4	9.15	8.0	-17 19	17
13.7	12.9	8.65	7.5	-16 19	16
13.2	12.4	8.15	7.0	-15 19	15
12.7	11.9	7.65	6.5	-14 19	14
12.2	11.4	7.15	6.0	-13 19	13
11.7	10.9	6.65	5.5	-12 19	12
11.2	10.4	6.15	5.0	-11 19	11
10.7	9.9	5.65	4.5	-10 19	10
10.2	9.4	5.15	4.0	-09 19	9
9.7	8.9	4.65	3.5	-08 19	8
8.7	7.9	3.65	2.5	52559-06 19	6
D	C	B	(A)	MATERIAL NO.	極数

1289NO. DRWN: CH'K: APPR:	1289NO. DRWN: CH'K: APPR:	1289NO. DRWN: CH'K: APPR:	REVISED 1289NO. J2004-3551 DRWN: H.KAWABATA '04/04/05 CH'K: K.TOJO '04/04/05 APPR: H. Saitoh '04/04/05	RELEASED 1289NO. J2004-1818 DRWN: H.SHIMABUKURO '04/01/07 CH'K: K.TOJO '04/01/07 APPR: H. Saitoh '04/01/07	DESCRIPTION	MATERIAL 材料	注記参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE —	DESIGN UNITS ☒ mm ☐ INCH	 1 ST ANGLE PROJECTION	☐ mm INCH ☐ mm INCH ☒ mm ONLY	DRAWN BY & DATE H.SHIMABUKURO '04/01/07	TITLE: 0.5 FPC Conn. Assy ZIF. -LEAD FREE-		
						FINISH 仕上		10 UNDER 未満	±0.2	CHECKED BY & DATE K.TOJO '04/01/07					MOLEX INCORPORATED	
						WIRE RANGE 適用電線範囲		10 OVER 以上	30 UNDER 未満	±0.25						APPROVED BY & DATE H. Saitoh '04/01/07
								ANGLE 角度	±3°	CAD FILENAME SD-52559-045.S02						MATERIAL NO. SEE CHART
		A		Ø	REV	INS. RANGE 被覆外径			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					SIZE B		