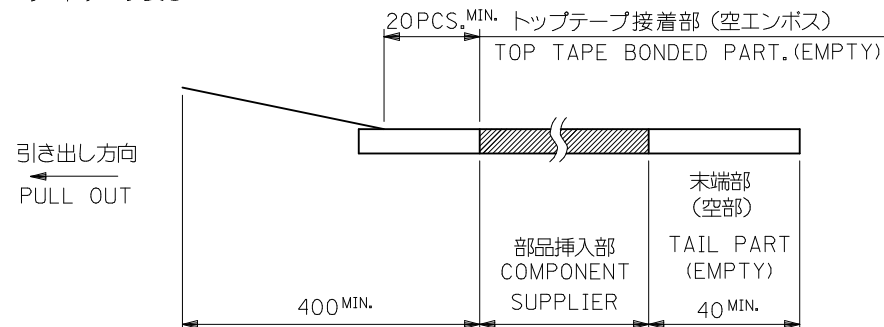


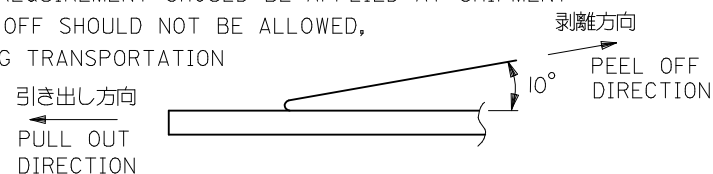
注記 NOTES

- 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 DRAWN: IKON CHKD: HATAJUMOTO APPR: NUKITA	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								

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

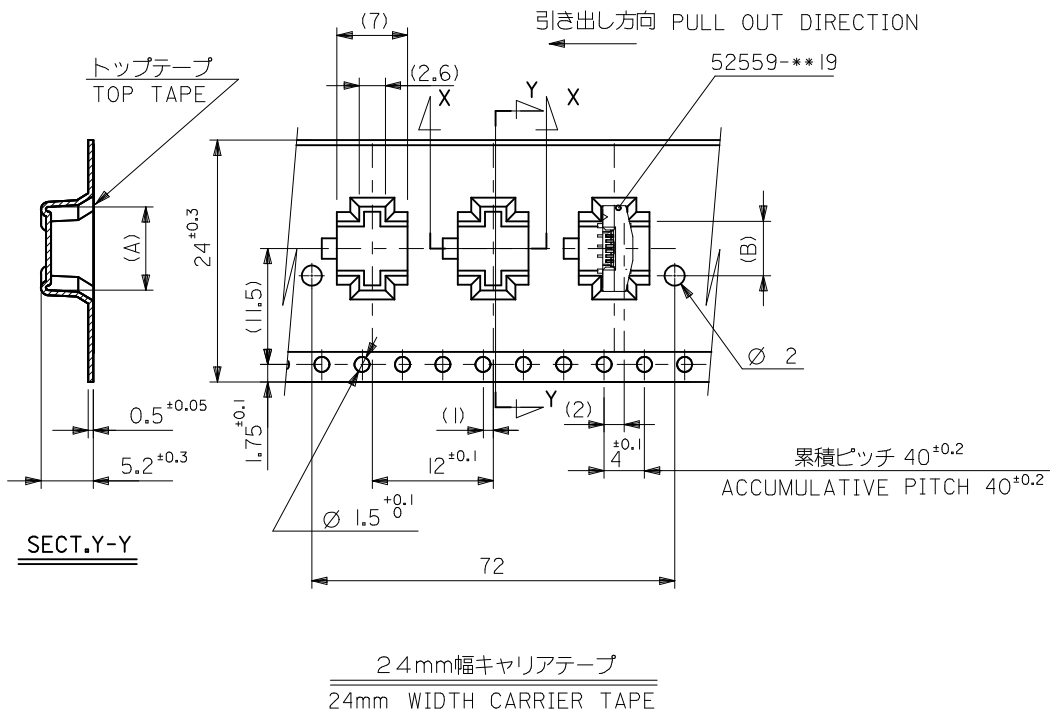
E

D

C

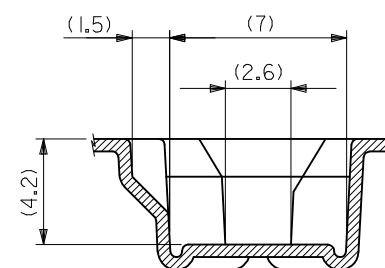
B

A



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
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	CIRCUIT NO.

REVISED EC NO: J2009-2061 2009/05/20 DRWN:TKN 2009/05/21 CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 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- MOLEX INCORPORATED					
		10 OVER 30 UNDER	± 0.25	CHECKED BY K.T.OJO	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 TABLE		SD-52559-028		2 OF 4			
	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



SECT.Y-Y

累積ピッチ $40^{+0.2}$

52559-**72
MODEL NO.

EN-02JA(021)

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

E

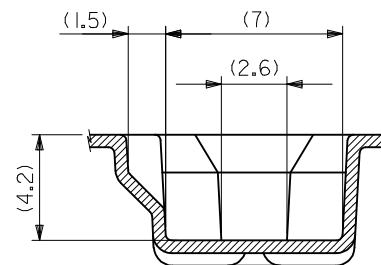
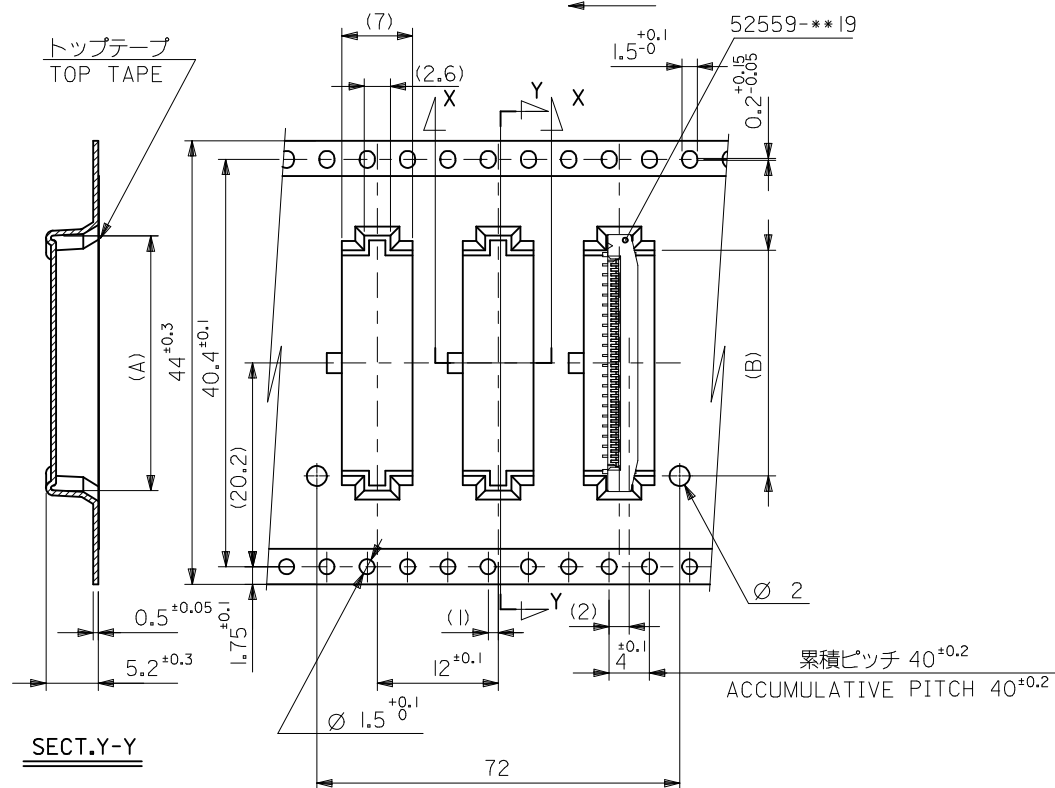
D

C

B

A

引き出し方向 PULL OUT DIRECTION



SECT.X-X

SECT.Y-Y

44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

REVISED EC NO.: J2009-2061 DRWN:TKN CHKD:HMATSUMOTO APPR:NUKITA 2009/05/20 2009/05/21 2009/05/21	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY	DATE	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	DATE						
		30 OVER	±0.3	APPROVED BY	DATE						
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				4 OF 4			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

DWG. NO.
SD-52559-045

F

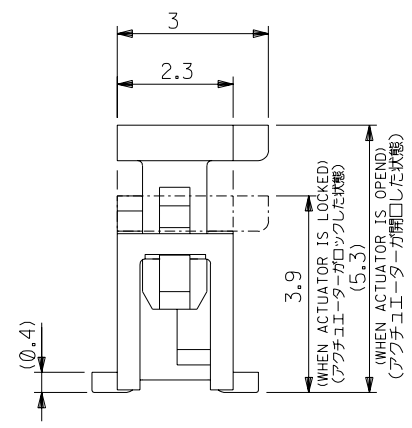
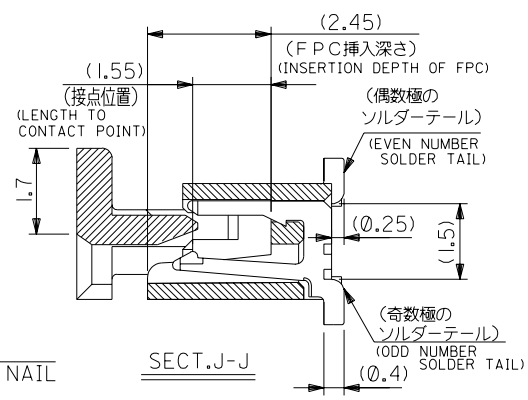
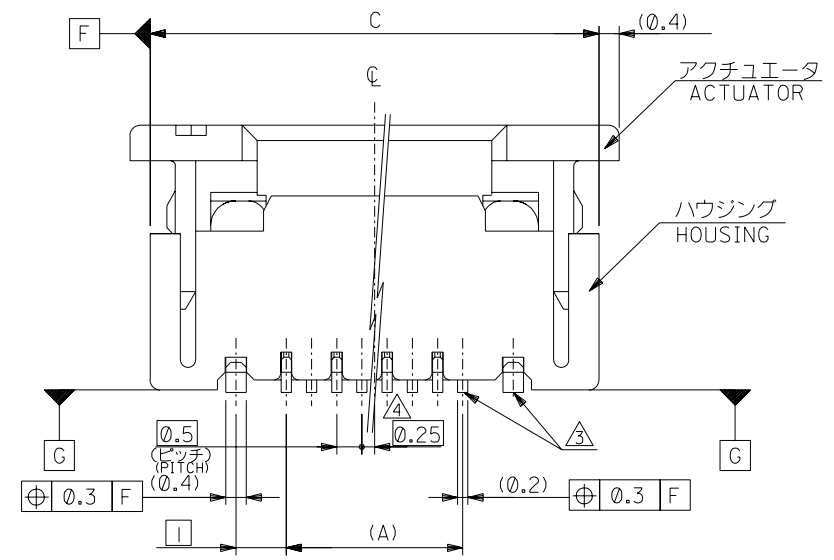
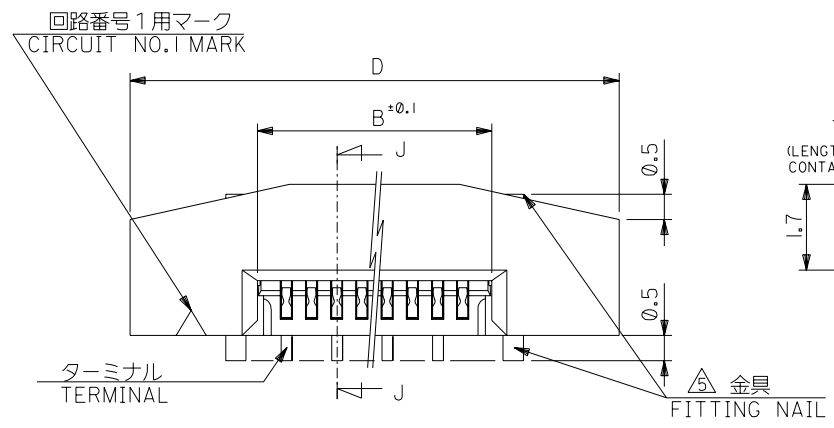
D

A

C

B

DO NOT SCALE DRAWING



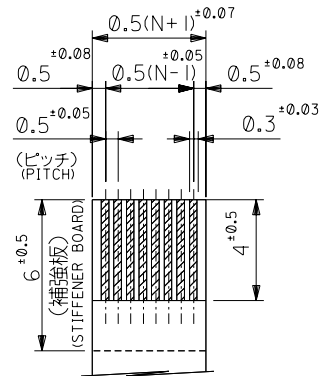
注記 NOTES

- 使用材料 : MATERIAL
ハウジング : 46NYLON UL94V-0
アクチュエータ : PPS UL94V-0
ターミナル : リン青銅 (t=0.2)
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
- 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.
- △偶数種に適用。
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

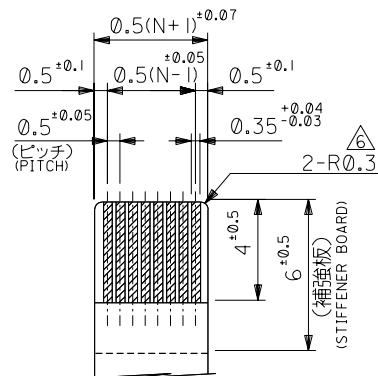
REVISED DRAWING NO. J2004-3551 DRAWN: H. KAWABATA '04/04/05 CHK: K. TOJO '04/04/05 APPR: H. Sato '04/04/05			RELEASED DRAWING NO. J2004-1818 DRAWN: H. SHIMABUKURO '04/01/07 CHK: K. TOJO '04/01/07 APPR: H. Sato '04/01/07			MATERIAL 材料 注記参照 SEE NOTES			GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差			SCALE —			DESIGN UNITS mm ☒ INCH ☐			PROJECTION 2D 3D			TITLE: 0.5 FPC Conn. Assy ZIF. -LEAD FREE-			MATERIAL NO. SEE CHART			DRAWING NO. SD-52559-045			SHEET NO. 1 OF 2		
DRAWN: H. KAWABATA '04/04/05 CHK: K. TOJO '04/04/05 APPR: H. Sato '04/04/05			DRAWN: H. SHIMABUKURO '04/01/07 CHK: K. TOJO '04/01/07 APPR: H. Sato '04/01/07			FINISH 仕上げ			10 UNDER 未満			DRAWN BY & DATE H. SHIMABUKURO '04/01/07			CHECKED BY & DATE K. TOJO '04/01/07			APPROVED BY & DATE H. Sato '04/01/07			CAD FILENAME SD-52559-045.S01			7888 DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			SIZE B					
WIRE RANGE 適用電線範囲			ANGLE 角度			10 OVER 以上			30 UNDER 未満			30 OVER 以上			INS. RANGE 被覆外径																	
0.2			0.25			0.3			0.4			0.5			0.6			0.7			0.8			0.9			1.0					

SD-52559-045.30

1



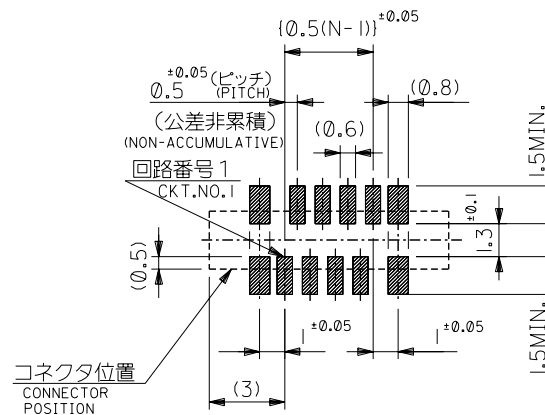
適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION.
(仕上がり厚さ: $0.3^{+0.05}$)
(THICKNESS: $0.3^{+0.05}$)



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 : THRMOSSETTING BONDING AGENT

25 7	24 9	20.65
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参考基板レイアウト
(マウント面)

RECOMMENDED P.C.BOARD
PATTERN DIMENSION (REF.
(MOUNTING SIDE))

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.	標数	

極數	CKJ
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ECO NO. DRWN: CHK: APPR:	ECO NO. DRWN: CHK: APPR:	ECO NO. DRWN: CHK: APPR:	REVISED ECO NO. J2004-3551 DRWN: H.KAWABATA '04/04/05 CHK: K.TOJO '04/04/05 APPR: H. Sadao '04/04/05	RELEASED ECO NO. J2004-1818 DRWN: H.SHIMABUKURO '04/01/07 CHK: K.TOJO '04/01/07 APPR: H. Sadao '04/01/07	DESCRIPTION MATERIAL 材料 注記参照 SEE NOTES FINISH 仕上り WIRE RANGE 適用電線範囲 INS. RANGE 被覆外径	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE —	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION 	☐ mm INCH ☐ mm INCH ☒ mm ONLY	REVERSE ON CAD ONLY	
						10 UNDER 未満	±0.2	DRAWN BY & DATE H.SHIMABUKURO '04/01/07	TITLE: 0.5 FPC Conn. Assy ZIF. -LEAD FREE-  MOLEX INCORPORATED			
						10 OVER 以上30 UNDER 未満	±0.25	CHECKED BY & DATE K.TOJO '04/01/07				
						30 OVER 以上	±0.3	APPROVED BY & DATE H. Sadao '04/01/07				
				ANGLE 角度	±3°	CAD FILENAME SD-52559-045.S02	MATERIAL NO. SEE CHART	DRAWING NO. SD-52559-045	SHEET NO. 2 OF 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE B