

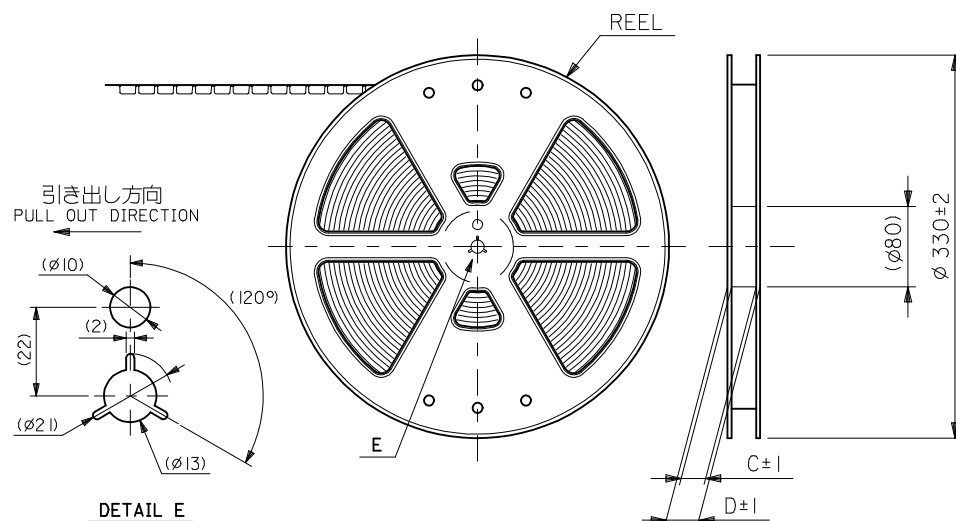
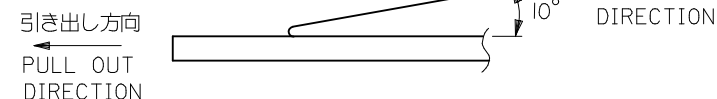
注記 NOTES

- 製品番号 52559-**-19 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-**-19 を参照下さい。
IN THE PACKAGE, ACTUATOR OF PART NO. 52559-**-19 SHOULD BE LOCKED
RE DETAILED DIMENSIONS, SEE SD-52559-**-19
- 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
0.1 ~ 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

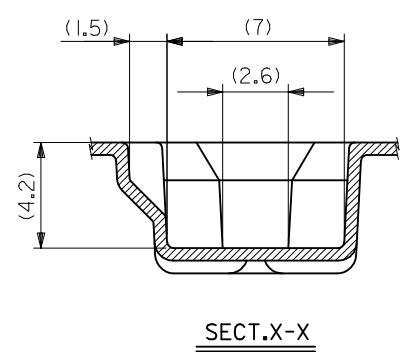
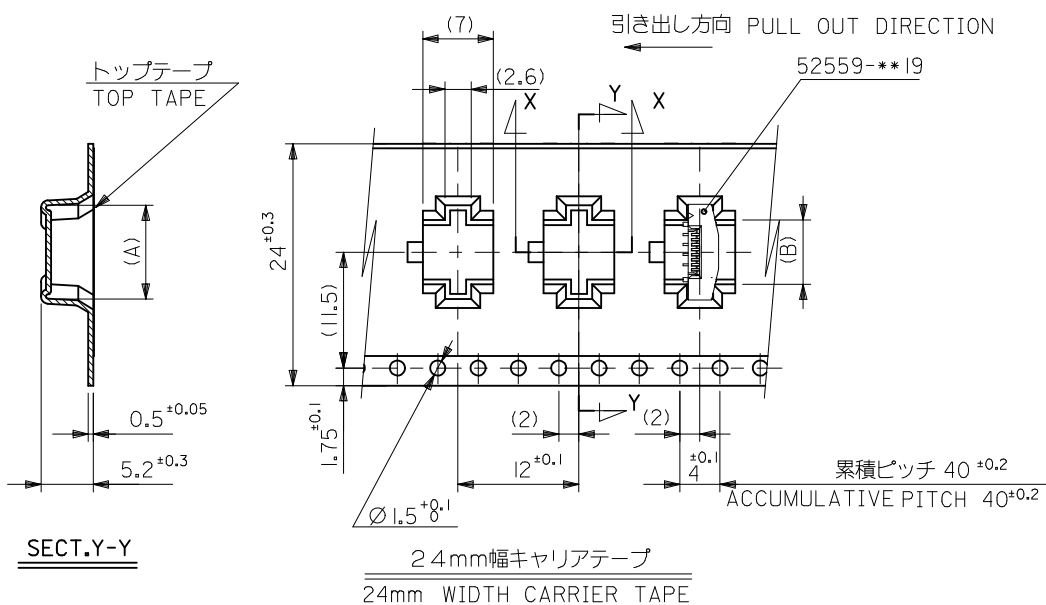


- 材料
キャリアテープ: ポリプロピレン (PP)
トップテープ: PET, PE, PEF
リール: ポリスチレン (PS) <リサイクル材を含む>

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

- 本製品は 52559-**-90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF
- 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: J2009-2061 DRWN:TKON CHKD:MATSUMOTO 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 HSHIMABUKURO	DATE '04/01/07	TITLE 0.5 FPC CONN ASSY ZIF SMT SMT EMBSTP PKG -LEAD FREE-  MOLEX INCORPORATED	DOCUMENT NO. SD-52559-029	SHEET NO. 1 OF 4
		10 OVER 30 UNDER	±0.25	CHECKED BY KTOJO	DATE '04/01/07			
		30 OVER	±0.3	APPROVED BY MSASAO	DATE '04/01/07			
		ANGULAR ±3 °		MATERIAL NO. SEE SHEET 2-4				
	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			



24	29.4	25.4	13.4	16.3	52559-2270	22
			12.4	15.3	52559-2070	20
			11.9	14.8	52559-1970	19
			11.4	14.3	52559-1870	18
			10.4	13.3	52559-1670	16
			9.9	12.8	52559-1570	15
			9.4	12.3	52559-1470	14
			8.9	11.8	52559-1370	13
			8.4	11.3	52559-1270	12
			7.9	10.8	52559-1170	11
			6.4	9.3	52559-0870	8
			5.4	8.3	52559-0670	6
キャリアテープ幅	D	C	(B)	(A)	MATERIAL. NO.	極数

REVISED EC NO: J2009-2061 2009/05/20 DRWN:TKON CH'KD:HMATSUMOTO 2009/05/21 APPR:NUKITA		DESCRIPTION REV	MODEL No.52559-**-70		キヤリデータ幅 CARRIER TAPE WIDTH		D	C	(B)	(A)	MATERIAL. NO.		極数 CIRCUT
			GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		 THIRD ANGLE PROJECTION		
					MM ONLY		---		METRIC				
					DRAWN BY DATE		TITLE						
					HSHIMABUKURO '04/01/07								
					CHECKED BY DATE								
KTOJO '04/01/07													
10 UNDER ±0.2		APPROVED BY DATE		 MOLEX INCORPORATED									
10 OVER 30 UNDER ±0.25		MSASAO '04/01/07											
30 OVER ±0.3													
ANGULAR ±3 °		MATERIAL NO.											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE TABLE		DOCUMENT NO.		SD-52559-029		SHEET NO. 2 OF 4			
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

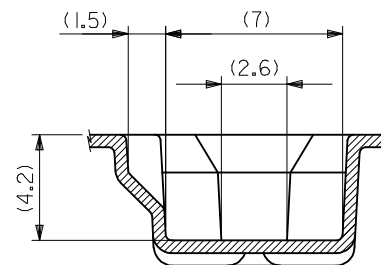
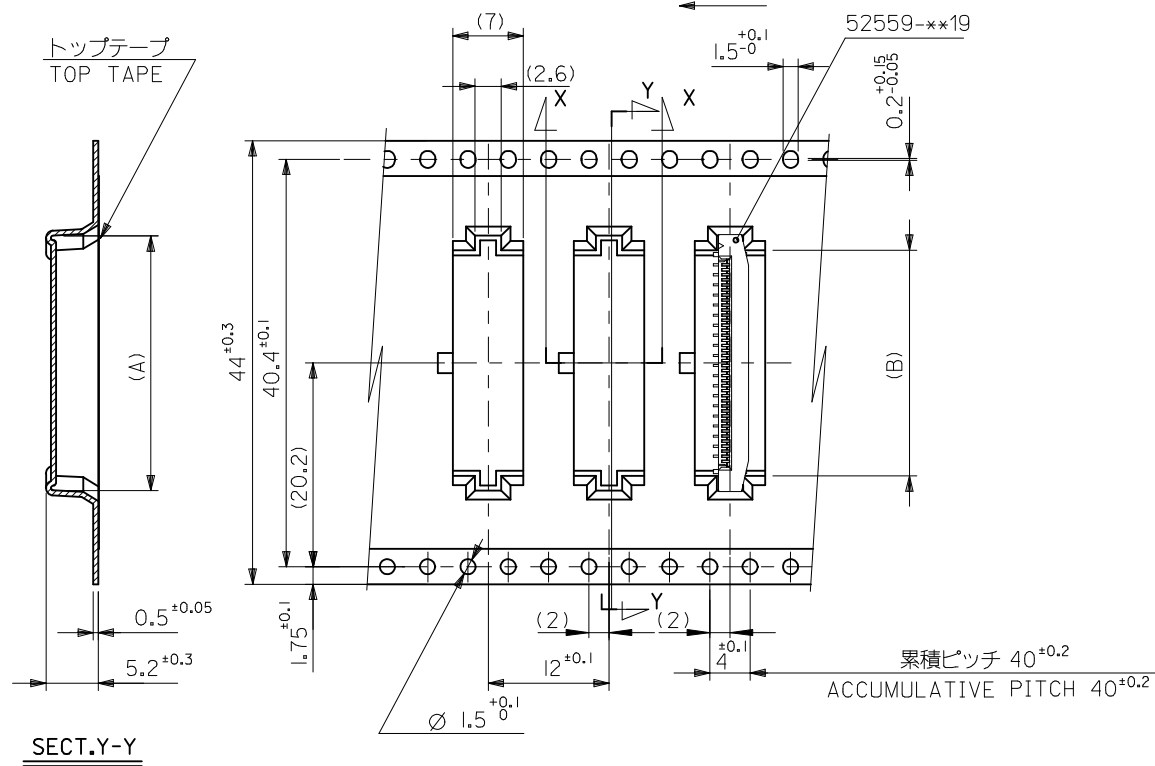
D

C

B

A

引き出し方向 PULL OUT DIRECTION

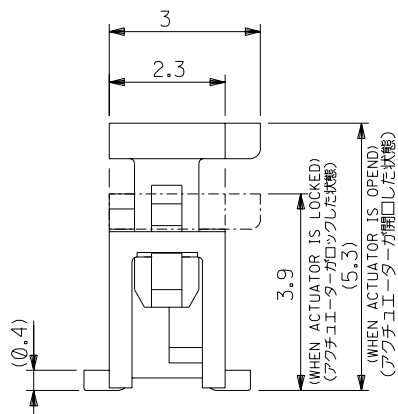
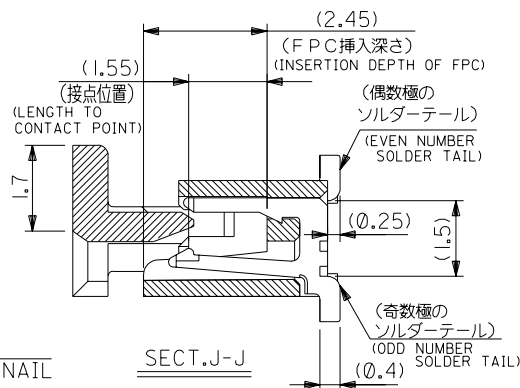


44mm 幅キャリアテープ
44mm WIDTH CARRIER TAPE

REVISED	EC NO: J2009-2061	2009/05/20
DRWN:TKN	2009/05/21	
CHKD:MATSUMOTO	2009/05/21	
APPR:NUKITA	2009/05/21	
REV	DESCRIPTION	
D		

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	

44	49.4	45.4	22.4	25.3	52559-4070	40
44	49.4	45.4	20.4	23.3	52559-3670	36
キャリアテープ幅 CARRIER TAPE WIDTH		D	C	(B)	(A)	MATERIAL NO. CIRCUIT NO.
DIMENSION STYLE MM ONLY			SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
DRAWN BY HSHIMABUKURO		DATE '04/01/07	TITLE 0.5 FPC CONN ASSY ZIF SMT ST EMBSTP PKG -LEAD FREE-			
CHECKED BY KTOJO		DATE '04/01/07				
APPROVED BY MSASAO		DATE '04/01/07				
MATERIAL NO.			MOLEX INCORPORATED			
SEE TABLE			DOCUMENT NO. SD-52559-029			
SIZE A3			SHEET NO. 4 OF 4			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



1. 使用材料：MATERIAL

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-PBO

: 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

 鍍メッキ 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.

△ソルダーテ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
UPPER DIRECTION: 0.05 MAX. , LOWER DIRECTION: 0.15 MAX. G

△ 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

△5 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

1634NO. DRWN: CHK: APPR:	163NO. DRWN: CHK: APPR:	162NO. DRWN: CHK: APPR:	REVISED 161NO. J2004-3551 DRWN: H. KAWABATA '04/04/05 CHK: K. TOJO '04/04/05 APPR: H. Saito '04/04/05	RELEASED 160NO. J2004-1818 DRWN: H. SHIMABUKURO '04/01/07 CHK: K. TOJO '04/01/07 APPR: H. Saito '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	 2RD ANGLE PROJECTION	☐ mm INCH ☐ INCH ☒ mm ONLY	2RD ANGLE PROJECTION	TITLE: 0.5 FPC Conn. Assy ZIF. -LEAD FREE-	SHEET NO. 1 OF 2
						10 UNDER 未満		±0.2	DRAWN BY & DATE H. SHIMABUKURO '04/01/07						
						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. Saito '04/01/07						
1634NO. DRWN: CHK: APPR:	163NO. DRWN: CHK: APPR:	162NO. DRWN: CHK: APPR:	REVISED 161NO. J2004-3551 DRWN: H. KAWABATA '04/04/05 CHK: K. TOJO '04/04/05 APPR: H. Saito '04/04/05	RELEASED 160NO. J2004-1818 DRWN: H. SHIMABUKURO '04/01/07 CHK: K. TOJO '04/01/07 APPR: H. Saito '04/01/07	DESCRIPTION	WIRE RANGE 適用電線範囲	—	ANGLE 角度	SD-52559-045.S01	MATERIAL NO. SEE CHART	DRAWING NO. SD-52559-045	SHEET NO. 1 OF 2			
						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			

DWG. NO. SD-52559-045

F

D

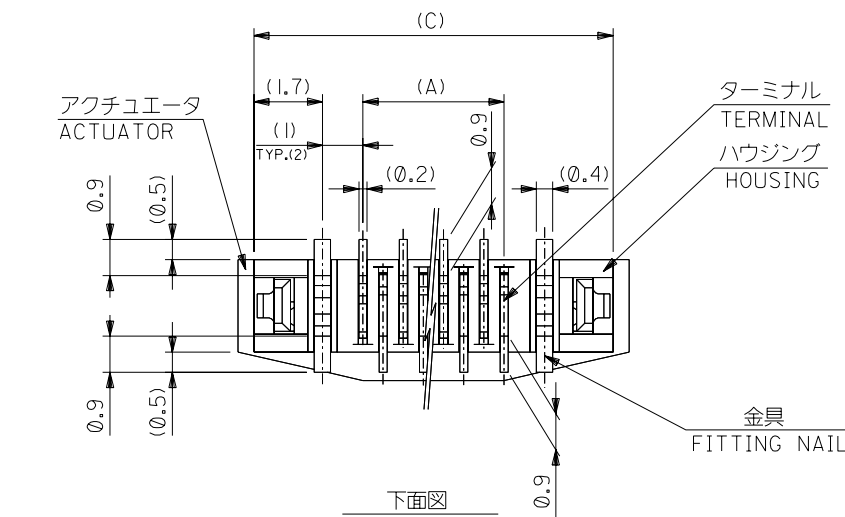
V

C

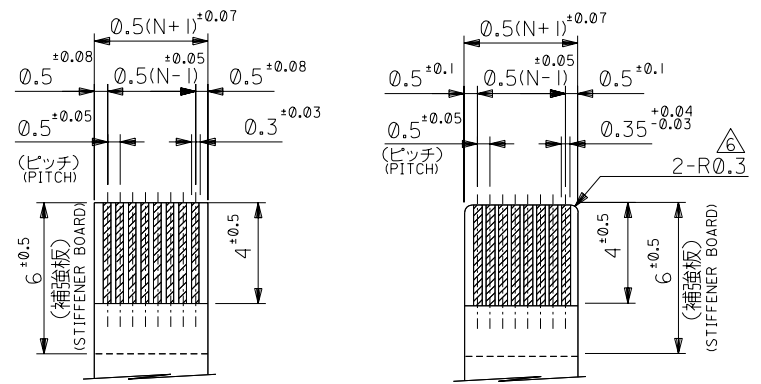
B

DO NOT SCALE DRAWING

8 7 6 5 4 3 2 1



下面図
BOTTOM VIEW

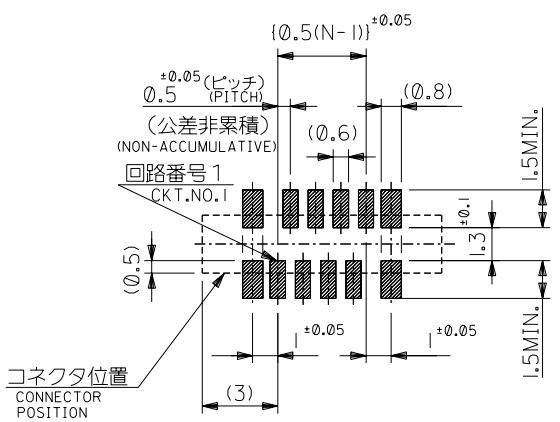


適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION.
(仕上がり厚さ: 0.3 ± 0.05)
(THICKNESS: 0.3 ± 0.05)

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)

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



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	52559-4019	40
23.7	22.9	18.65	17.5	-3619	36
22.2	21.4	17.15	16.0	-3319	33
21.7	20.9	16.65	15.5	-3219	32
21.2	20.4	16.15	15.0	-3119	31
20.7	19.9	15.65	14.5	-3019	30
20.2	19.4	15.15	14.0	-2919	29
19.7	18.9	14.65	13.5	-2819	28
19.2	18.4	14.15	13.0	-2719	27
18.7	17.9	13.65	12.5	-2619	26
18.2	17.4	13.15	12.0	-2519	25
17.7	16.9	12.65	11.5	-2419	24
17.2	16.4	12.15	11.0	-2319	23
16.7	15.9	11.65	10.5	-2219	22
16.2	15.4	11.15	10.0	-2119	21
15.7	14.9	10.65	9.5	-2019	20
15.2	14.4	10.15	9.0	-1919	19
14.7	13.9	9.65	8.5	-1819	18
14.2	13.4	9.15	8.0	-1719	17
13.7	12.9	8.65	7.5	-1619	16
13.2	12.4	8.15	7.0	-1519	15
12.7	11.9	7.65	6.5	-1419	14
12.2	11.4	7.15	6.0	-1319	13
11.7	10.9	6.65	5.5	-1219	12
11.2	10.4	6.15	5.0	-1119	11
10.7	9.9	5.65	4.5	-1019	10
10.2	9.4	5.15	4.0	-0919	9
9.7	8.9	4.65	3.5	-0819	8
8.7	7.9	3.65	2.5	52559-0619	6
D	C	B	(A)	MATERIAL NO.	極数

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

SD-52559-045.S02