

NOTE

1.梱包数量：1000個/リール  
NUMBER OF CONNECTORS：1000 PCS/REEL

2.リードテープ長さ LEAD TAPE LENGTH

引き出し方向  
PULL OUT DIRECTION

20PCS. MIN. トップテープ接着部（空エンボス）  
TOP TAPE BONDED PART. (EMPTY)

部品挿入部  
COMPONENT  
SUPPLIER

末端部  
（空部）  
TAIL PART  
(EMPTY)  
40 MIN.

400 MIN.

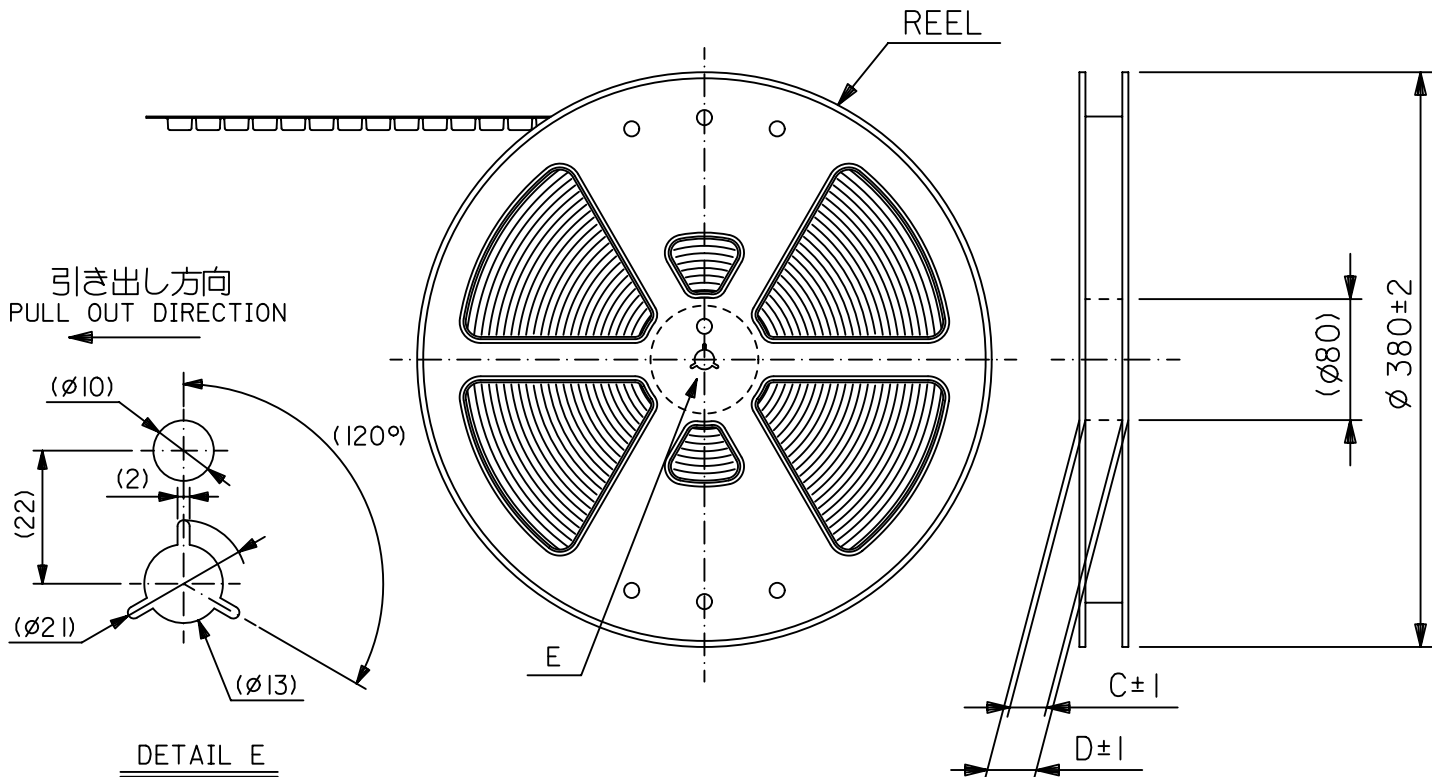
3.52610-\*\*15のアクチュエータはハウジング内に押し下げた状態とする。  
詳細寸法については図面 526101000 PSD 000 を参照下さい。  
ACTUATOR OF PART NO. 52610-\*\*15 SHOULD BE LOCKED.  
RE DETAILD DIMENSIONS, SEE 526101000 PSD 000.

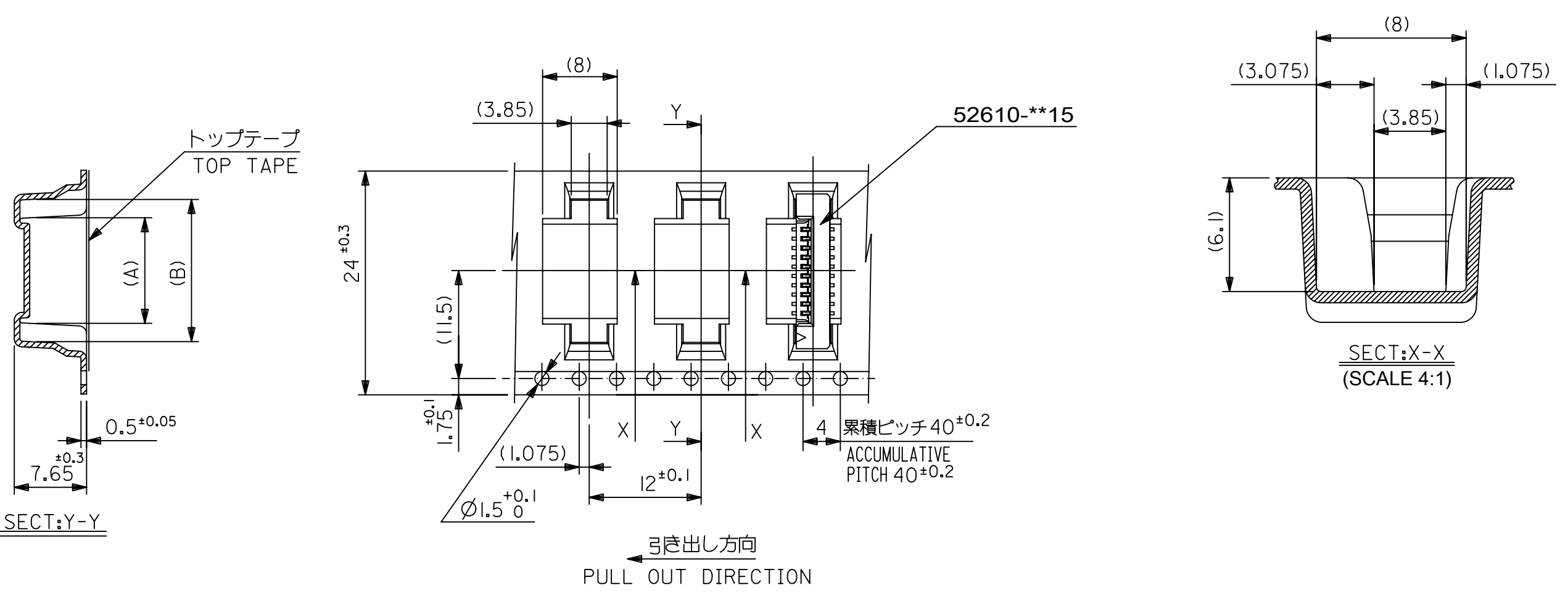
4.材料 MATERIAL  
キャリアテープ：ポリプロピレン  
トップテープ：PET, PE, PEF  
リール：ポリスチレン <リサイクル材を含む>  
CARRIER TAPE：POLYPROPYLENE  
TOP TAPE：PET, PE, PEF  
REEL：POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>

5.本製品は52610シリーズの接点金めっき品である。  
THIS PRODUCT IS Au-CONTACT OF 52610 SERIES.

6.本製品は乾燥剤入り、ハイバリア梱包仕様である。  
THIS PRODUCT ISHIGH BARRIER PACKAGE WITH DESICCANT.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
RELEASED EC NO: 106044 DRWN: YMIZUNO02 CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01		2016/10/12 2016/12/28 2016/12/28		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		<div>molex®</div> <div>1.0 FPC CONN ZIF ASSY SMT ST EMBSTP PKG</div> <div>PRODUCT CUSTOMER DRAWING</div>					
						MM		---							
						DRWN BY		DATE							
						YMIZUNO02		2016/10/12							
						CHK'D BY		DATE							
						YKOBAYASHI02		2016/12/28							
						APPR BY		DATE							
						TKUSUHARA01		2016/12/28							
						DRAWING SIZE		THIRD ANGLE PROJECTION							
						A3									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR TOL ± 3.0 °		4 PLACES		± 0.2		SERIES		MATERIAL NUMBER		CUSTOMER			
				3 PLACES		± 0.2									
A		REV		2 PLACES		± 0.2		52610		SEE CHART		GENERAL			
				1 PLACE		± 0.2									
A		REV		0 PLACES		± 0.2		DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
								526100000		PSD		000		1 OF 5	





24	29.4	25.4	15.25	11.32	52610-1072	10
			14.25	10.32	52610-0972	9
			13.25	9.32	52610-0872	8
			12.25	8.32	52610-0772	7
			11.25	7.32	52610-0672	6
			10.25	6.32	52610-0572	5
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

RELEASED

EC NO: 106044

DRWN: YMIZUNO02

CHK'D: YKOBAYASHI02

APPR: TKUSUHARA01

2016/10/12

2016/12/28

2016/12/28

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 3.0 °

4 PLACES ± 0.2

3 PLACES ± 0.2

2 PLACES ± 0.2

1 PLACE ± 0.2

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

DRWN BY

YMIZUNO02

DATE

2016/10/12

CHK'D BY

YKOBAYASHI02

DATE

2016/12/28

APPR BY

TKUSUHARA01

DATE

2016/12/28

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

SCALE

---

molex®

1.0 FPC CONN ZIF ASSY SMT ST EMBSTP PKG

PRODUCT CUSTOMER DRAWING

SERIES

52610

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL

DOCUMENT NUMBER

526100000

DOC TYPE

PSD

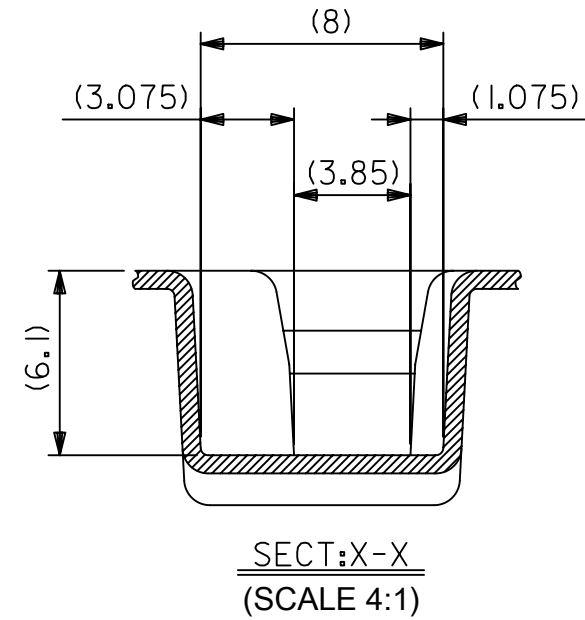
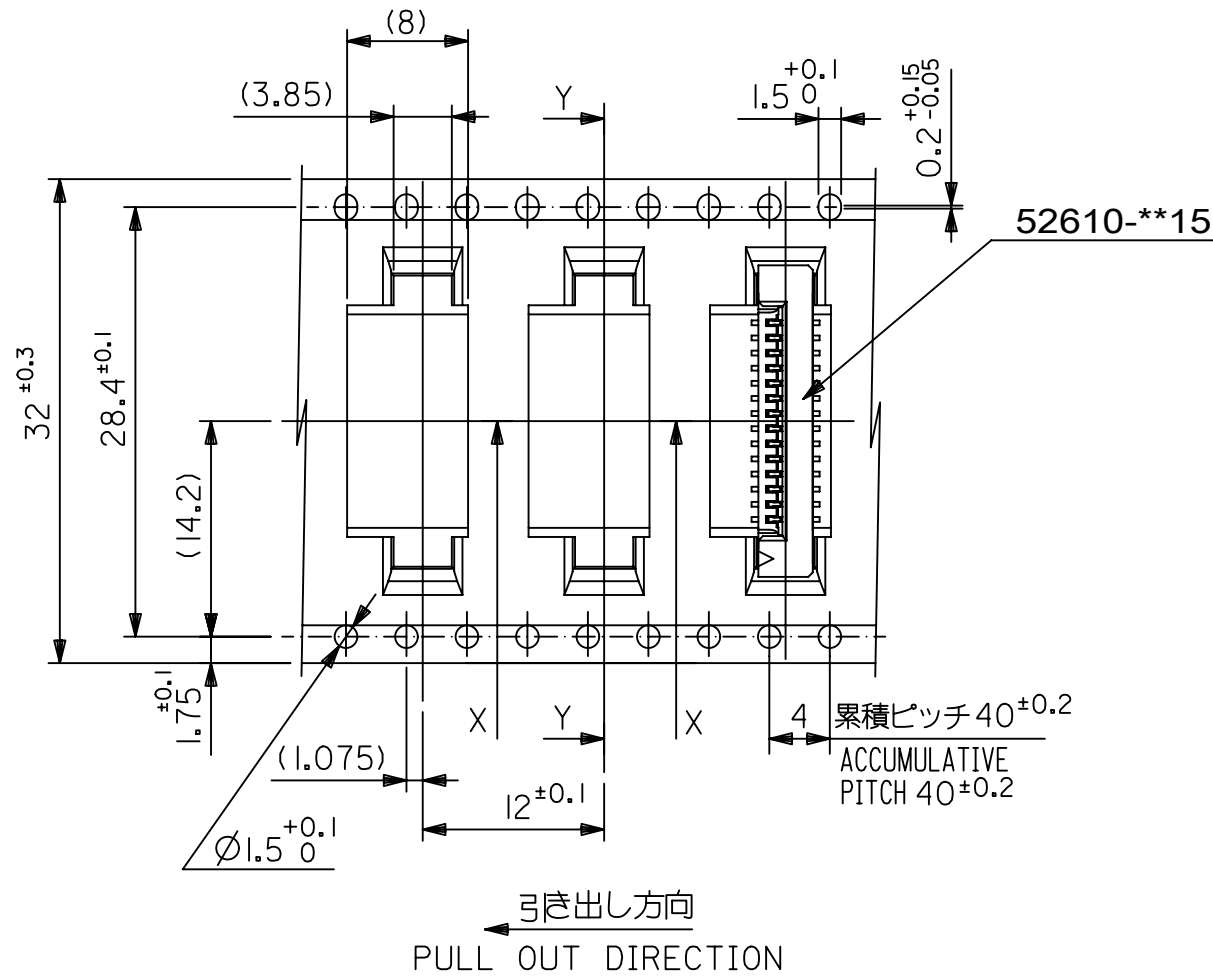
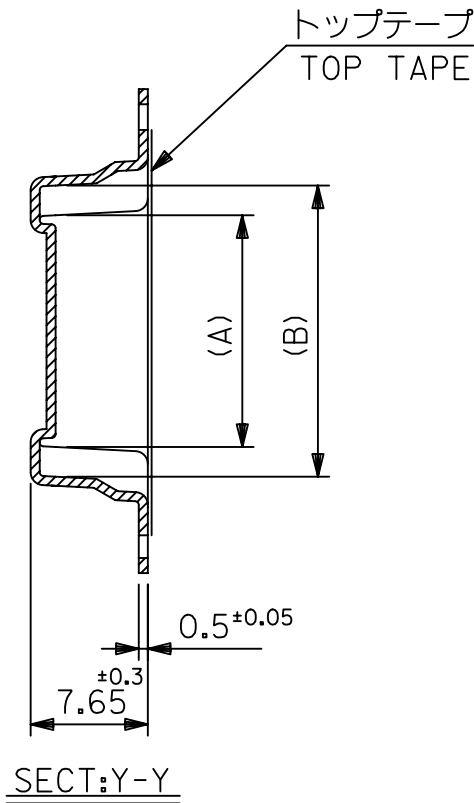
DOC PART

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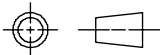
SHEET NUMBER

2 OF 5

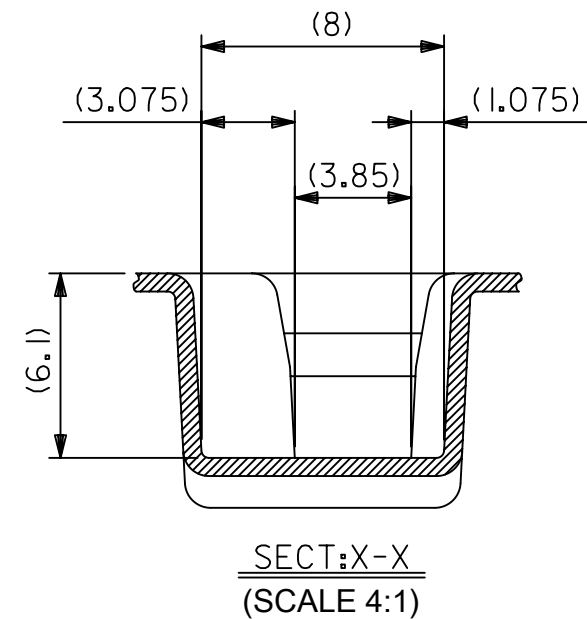
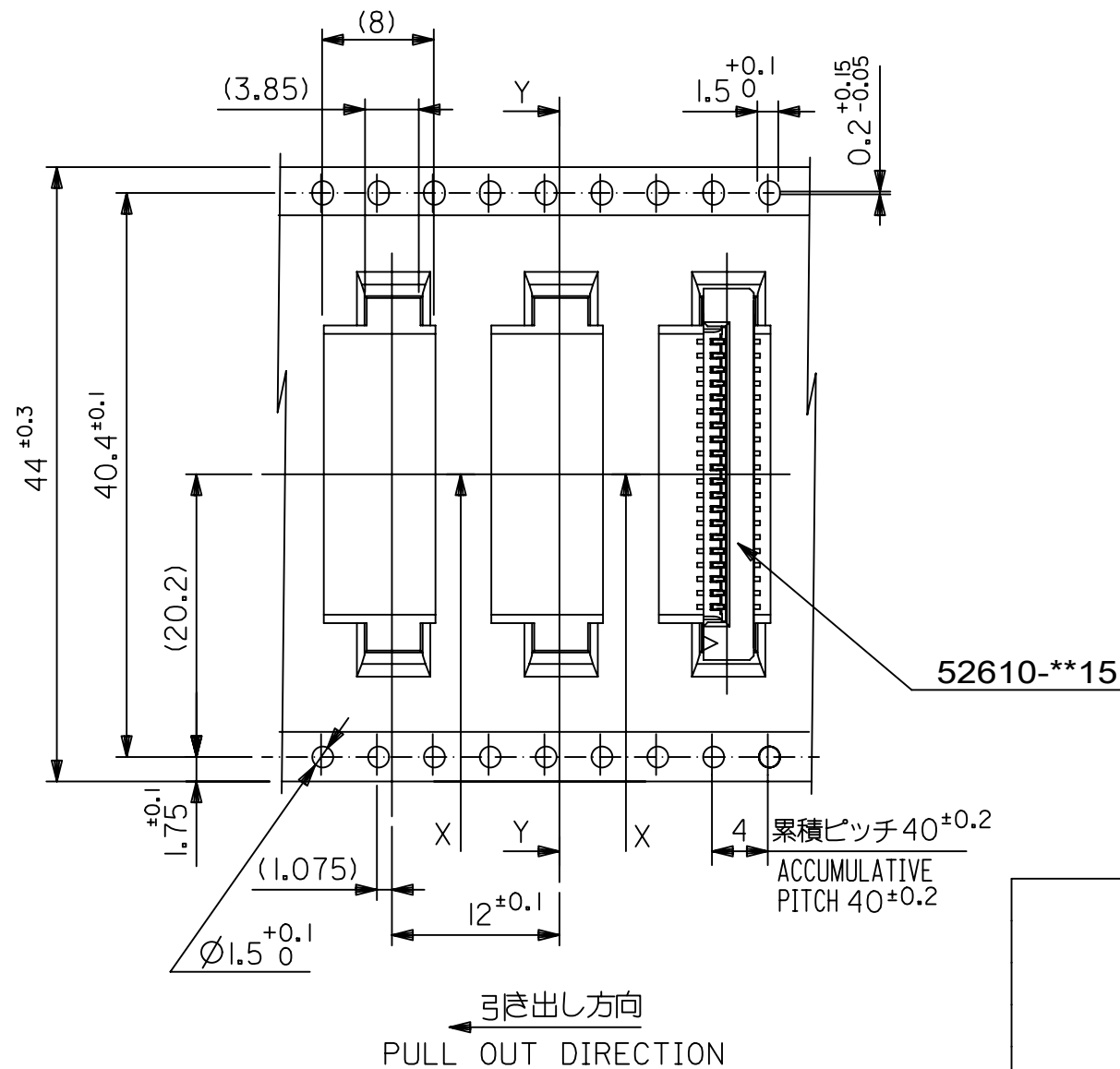
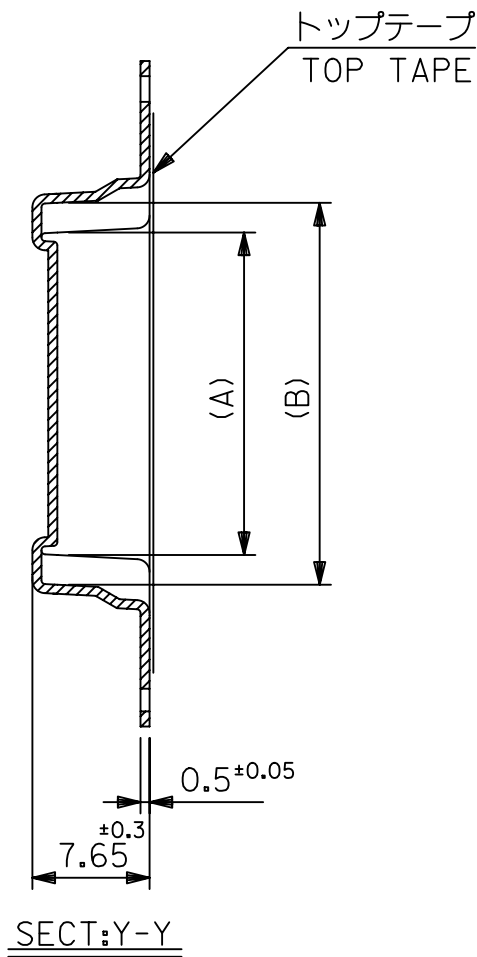
RELEASE STATUS		RELEASE DATE	
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32	37.4	33.4	20.25	16.32	52610-1572	15
			19.25	15.32	52610-1472	14
			18.25	14.32	52610-1372	13
			17.25	13.32	52610-1272	12
			16.25	12.32	52610-1172	11
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
RELEASED EC NO: 106044 DRWN: YMIZUNO02 CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01	2016/10/12	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		<b>molex®</b>							
	2016/12/28		MM		---									
	2016/12/28		ANGULAR TOL ± 3.0 °		DRWN BY		DATE		1.0 FPC CONN ZIF ASSY SMT ST EMBSTP PKG					
					YMIZUNO02		2016/10/12							
			4 PLACES ± 0.2		CHK'D BY		DATE							
			3 PLACES ± 0.2		YKOBAYASHI02		2016/12/28							
			2 PLACES ± 0.2		APPR BY		DATE							
			1 PLACE ± 0.2		TKUSUHARA01		2016/12/28		PRODUCT CUSTOMER DRAWING					
			0 PLACES ± 0.2											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
			A3				52610		SEE CHART		GENERAL			
A	REV						DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
							526100000		PSD		000		3 OF 5	

RELEASE STATUS		RELEASE DATE	
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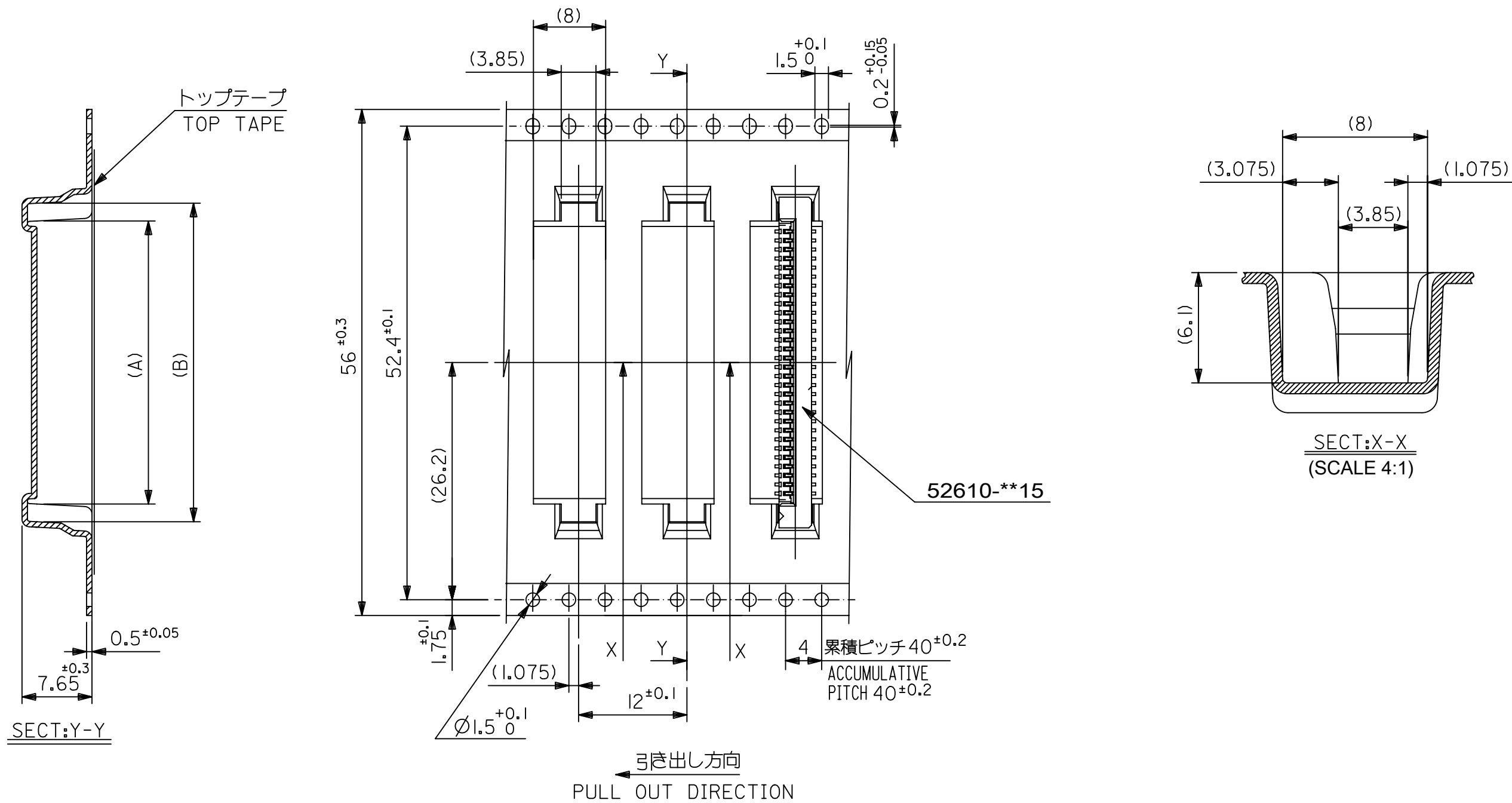


44	49.4	45.4	31.25	27.32	52610-2672	26
			30.25	26.32	52610-2572	25
			29.25	25.32	52610-2472	24
			28.25	24.32	52610-2372	23
			27.25	23.32	52610-2272	22
			26.25	22.32	52610-2172	21
			25.25	21.32	52610-2072	20
			24.25	20.32	52610-1972	19
			23.25	19.32	52610-1872	18
			22.25	18.32	52610-1772	17
			21.25	17.32	52610-1672	16
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT

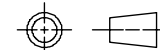
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

RELEASED EC NO: 106044 DRWN: YMIZUNO02 CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01	2016/10/12 2016/12/28 2016/12/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	<div>molex®</div> <div>1.0 FPC CONN ZIF ASSY SMT ST EMBSTP PKG</div>			
		ANGULAR TOL ± 3.0 °		MM	---				
		4 PLACES	± 0.2	DRWN BY	DATE				
		3 PLACES	± 0.2	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING			
		2 PLACES	± 0.2	YKOBAYASHI02	2016/12/28				
		1 PLACE	± 0.2	APPR BY	DATE				
		0 PLACES	± 0.2	TKUSUHARA01	2016/12/28				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	SERIES	MATERIAL NUMBER	CUSTOMER	
				A3		52610	SEE CHART	GENERAL	
						DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
A						526100000	PSD	000	4 OF 5

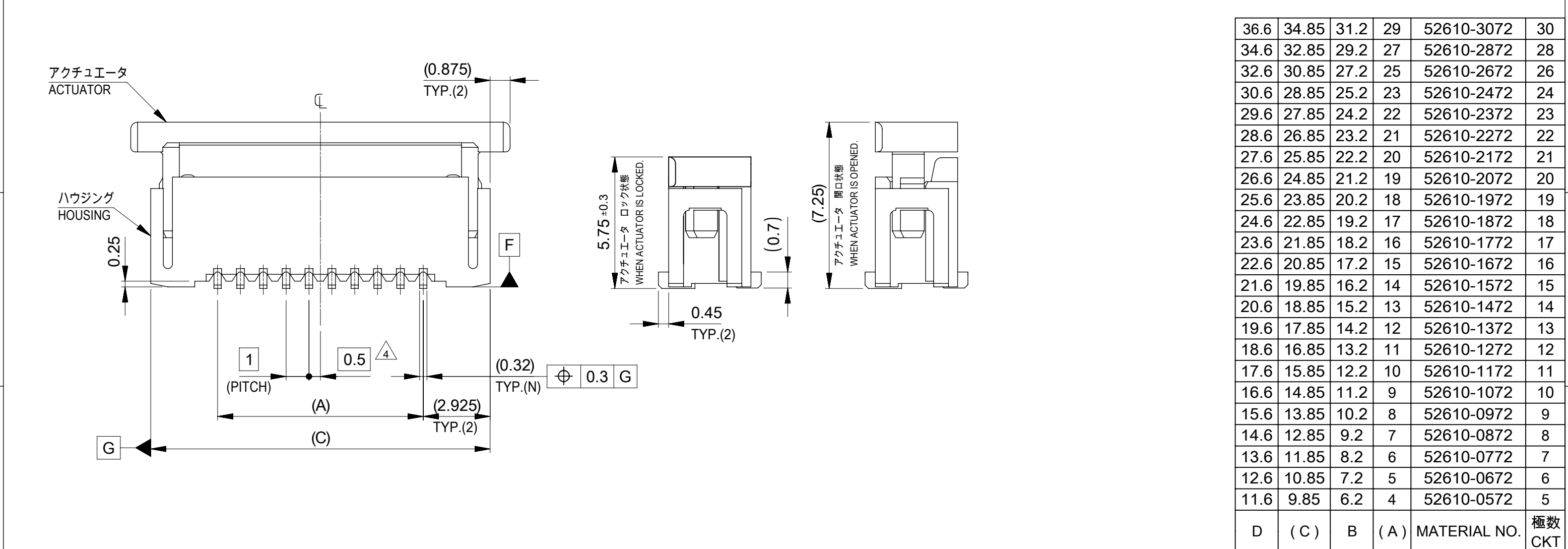
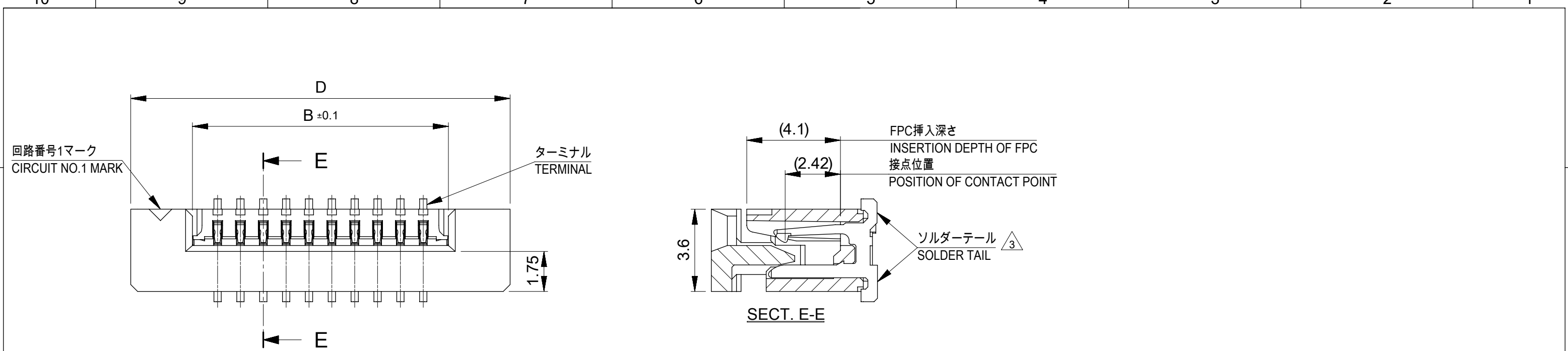
RELEASE STATUS		RELEASE DATE	
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56	61.4	57.4	35.25	31.32	52610-3072	30
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT

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RELEASED EC NO: 106044 DRWN: YMIZUNO02 CHK'D: YKOBAYASHI02 APPR: TKUSUHARA01	2016/10/12	2016/12/28	2016/12/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS MM		SCALE ---		molex®  1.0 FPC CONN ZIF ASSY SMT ST EMBSTP PKG				
	ANGULAR TOL ± 3.0 °				DRWN BY YMIZUNO02		DATE 2016/10/12							
	4 PLACES		± 0.2		CHK'D BY YKOBAYASHI02		DATE 2016/12/28		PRODUCT CUSTOMER DRAWING					
	3 PLACES		± 0.2		APPR BY TKUSUHARA01		DATE 2016/12/28							
	2 PLACES		± 0.2		DRAWING SIZE A3		THIRD ANGLE PROJECTION 		SERIES 52610		MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL	
	1 PLACE		± 0.2						DOCUMENT NUMBER 526100000		DOC TYPE PSD		DOC PART 000	
	0 PLACES		± 0.2											
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
	A	REV												

RELEASE STATUS	RELEASE DATE
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36.6	34.85	31.2	29	52610-3072	30
34.6	32.85	29.2	27	52610-2872	28
32.6	30.85	27.2	25	52610-2672	26
30.6	28.85	25.2	23	52610-2472	24
29.6	27.85	24.2	22	52610-2372	23
28.6	26.85	23.2	21	52610-2272	22
27.6	25.85	22.2	20	52610-2172	21
26.6	24.85	21.2	19	52610-2072	20
25.6	23.85	20.2	18	52610-1972	19
24.6	22.85	19.2	17	52610-1872	18
23.6	21.85	18.2	16	52610-1772	17
22.6	20.85	17.2	15	52610-1672	16
21.6	19.85	16.2	14	52610-1572	15
20.6	18.85	15.2	13	52610-1472	14
19.6	17.85	14.2	12	52610-1372	13
18.6	16.85	13.2	11	52610-1272	12
17.6	15.85	12.2	10	52610-1172	11
16.6	14.85	11.2	9	52610-1072	10
15.6	13.85	10.2	8	52610-0972	9
14.6	12.85	9.2	7	52610-0872	8
13.6	11.85	8.2	6	52610-0772	7
12.6	10.85	7.2	5	52610-0672	6
11.6	9.85	6.2	4	52610-0572	5
D	(C)	B	(A)	MATERIAL NO.	極数 CKT

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DIMENSION UNITS

mm

SCALE

---

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 3.0 °

4 PLACES ± 0.03

3 PLACES ± 0.03

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

EC NO: 745355

DRWN: RAJMOK

CHK'D: HSHIMOYAMA

APPR: HSHIMOYAMA

INITIAL REVISION:

DRWN: YMIZUNO02

APPR: TKUSUHARA01

2023/04/06

2023/04/07

2023/04/07

2016/10/12

2016/12/28

1.0 FPC CONN ZIF S/T HOUSING ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

526101000

PSD

000

C

SEE TABLE

GENERAL

1 OF 2

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER ±0.2

10 OVER 30 UNDER ±0.25

30 OVER ±0.3

DOCUMENT STATUS

P1

RELEASE DATE

2023/04/07

10:47:37

10

9

8

7

6

5

4

3

2

1

A

- 5.エンボステーパ梱包時は、アクチュエータがロックした状態とする。  
IN THE PACKAGE, ACTUATOR SHOULD BE LOCKED.
- 6.本製品は52610シリーズの接点金めっき品である。  
THIS PRODUCT IS Au-CONTACT OF 52610 SERIES.

B

- 3.ソルダータール半田付け面のズレ量は、基準面 **F** に対し  
上方向0.05MAX.、下方向0.15MAX.とする。  
MISALIGNMENT OF SOLDER TAILS FROM **F** UPPER DIREVTION : 0.05 MAX.  
LOWER DIRECTION :0.15 MAX.
- 4.偶数極に適用。  
APPLY FOR EVEN CIRCUIT.

C

- 注記(NOTES):
- 1.材質 MATERIAL  
ハウジング：46ナイロン、ガラス充填、UL94V-0、ナチュラル(白色)  
アクチュエータ：PPS、ナチュラル(茶色)、ガラス充填、UL94V-0  
ターミナル：リン青銅(t=0.32)  
HOUSING：46NYLON, GLASS FILLED, UL94V-0, NATURAL(WHITE)  
ACTUAOR：PPS, NATURAL(BROWN), GLASS FILLED, UL94V-0  
TERMINAL：PHOSPHOR BRONZE(t=0.32)
- 2.めっき仕様 PLATING  
ターミナル TERMINAL  
接点部：金めっき(0.1μm以上)  
テール部：錫めっき(1.0μm以上)  
下地：ニッケルめっき(1.0μm以上)  
CONTACT：GOLD PLATING (0.1 MICROMETER MINIMUM)  
TAIL：MATTE TIN (1.0 MICROMETER MINIMUM)  
UNDER PLATE：NICKEL PLATING (1.0 MICROMETER MINIMUM)

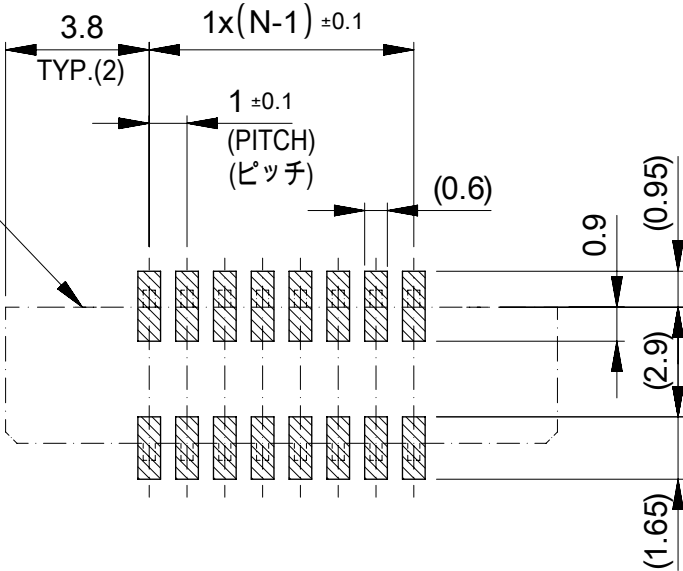
D

参考基盤レイアウト  
RECOMMENDED P.C.BOARD  
PATTERN LAYOUT (REFERENCE)

マスク厚：120μm  
マスク開口率：100%  
SCREEN THICKNESS：120 MICROMETER  
SCREEN OPEN RATIO：100%

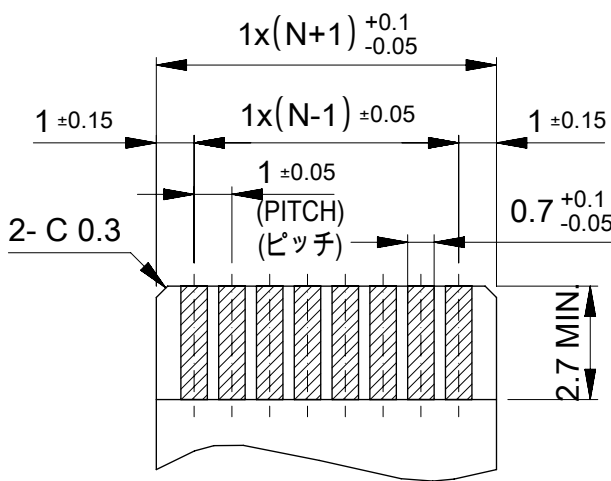
E

コネクタ位置  
CONNECTOR  
LOCATION



F

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



7

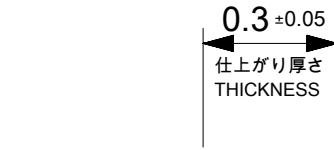
6

### FPC構成推奨仕様

#### RECOMMENDED STRUCTURE OF FPC

補強板：ポリイミド  
REINFORCE BOARD: POLYIMIDE  
熱硬化接着剤  
THERMOSETTING ADHESIVE  
ベースフィルム：ポリイミド(25μm)  
BASE FILM: POLYIMIDE(25μm)  
熱硬化接着剤  
THERMOSETTING ADHESIVE  
導体部：銅箔(35 or 50μm)  
CONDUCTOR: COPPER FOIL (35 or 50μm)  
熱硬化接着剤  
THERMOSETTING ADHESIVE  
カバレーイ：ポリイミド(25μm)  
COVER FILM: POLYIMIDE(25μm)

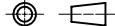
めっき：金めっき(0.2μm)  
下地ニッケル(1-5μm)  
PLATING: GOLD(0.2μm)  
NICKEL UNDER(1-5μm)



5

FPC/FFCについて：  
抜き方向は、導体側から補強板側を推奨致します。  
尚、接着剤の接点部への付着は導通不良の原因になりますので、  
染み出しが無い様お願い致します。

ABOUT FPC/FFC:  
RECOMMENDED PUNCHER DIRECTION:  
FROM CONDUCTOR SIDE TO STIFFNER SIDE  
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND  
BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE  
CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				<div>molex</div> <div>1.0 FPC CONN ZIF S/T HOUSING ASSY</div>									
mm		---															
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL ± 3.0 °								PRODUCT CUSTOMER DRAWING									
4 PLACES ± 0.03				DOCUMENT NUMBER								DOC TYPE		DOC PART		REVISION	
3 PLACES ± 0.03				EC NO: 745355 DRWN: RAJMOK 2023/04/06 CHK'D: HSHIMOYAMA 2023/04/07 APPR: HSHIMOYAMA 2023/04/07				526101000				PSD		000		C	
2 PLACES ± 0.05				INITIAL REVISION:													
1 PLACE ± 0.1				DRWN: YMIZUNO02 2016/10/12													
0 PLACES ± 0.2				APPR: TKUSUHARA01 2016/12/28													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
				A3-SIZE		52610		SEE SHEET-1		GENERAL				2 OF 2			

### FFC構成推奨仕様

#### RECOMMENDED STRUCTURE OF FFC

補強板：ポリエステル系  
REINFORCE BOARD: PET  
接着剤(難燃ポリエステル系)  
ADHESIVE ( FLAME-RETARDANT POLYESTER ADHESIVE)  
絶縁テープ：ポリエステル系(25μm)  
INSULATING FILM: PET(25μm)  
接着剤(難燃ポリエステル系)  
ADHESIVE ( FLAME-RETARDANT POLYESTER ADHESIVE)  
導体部：銅箔(35 or 50μm)  
CONDUCTOR: COPPER FOIL (35 or 50μm)  
接着剤(難燃ポリエステル系)  
ADHESIVE ( FLAME-RETARDANT POLYESTER ADHESIVE)  
絶縁テープ：ポリエステル系(25μm)  
INSULATING FILM: PET(25μm)

めっき：金めっき(0.2μm)  
下地ニッケル(1-5μm)  
PLATING: GOLD(0.2μm)  
NICKEL UNDER(1-5μm)



4

3

2

A

B

C

D

E

F

1