

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%

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)
 ACTUATOR：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

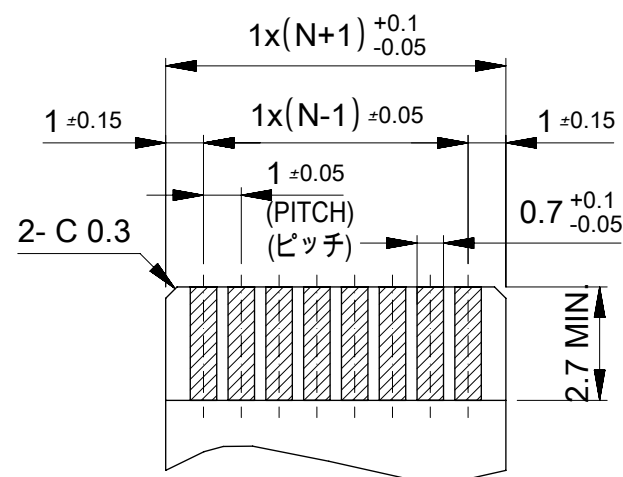
接点部：金めっき(0.1μm以上)
テール部：錫めっき(1.0μm以上)
下地：ニッケルめっき(1.0μm以上)
CONTACT: GOLD PLATING (0.1 MICROMETER MINIMUM)
TAIL: MATTE TIN (1.0 MICROMETER MINIMUM)
UNDER PLATE: NICKEL PLATING (1.0 MICROMETER MINIMUM)

③ ソルダテ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 DIRECTION : 0.05 MAX.
LOWER DIRECTION : 0.15 MAX.

△₄ 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

5.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 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.

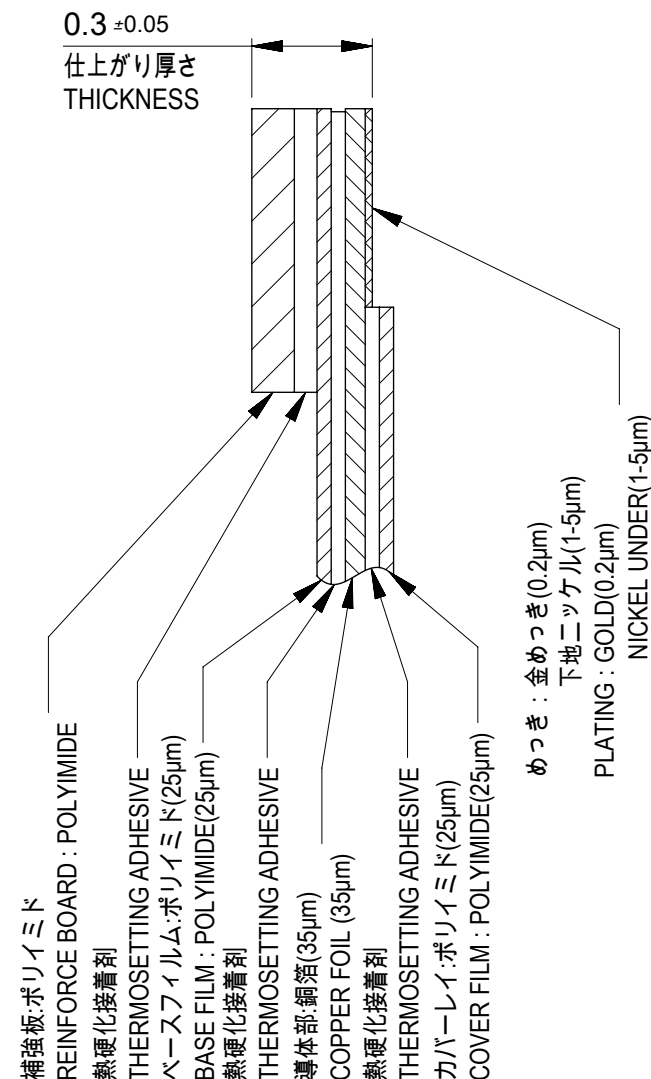


適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3 ± 0.05)
(THICKNESS : 0.3 ± 0.05)

FPCについて ABOUT FPC

打ち抜き方向は導体側から補強板側を推奨します。
導体部については軟箔銅35μmまたは50μmを推奨します。
補強フィルム材質はポリイミドを推奨します。ベースフィルムは25μmを推奨します。
接着剤は熱硬化接着剤を推奨します。
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。

RECOMMENDED PUNCHING DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC : SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS : 35 MICROMETER OR 50 MICROMETER
RECOMMENDED STIFFENER MATERIAL : POLYIMIDE
RECOMMENDED BASE FILM THICKNESS : 25 MICROMETER
RECOMMENDED ADHESIVE : THERMOSETTING ADHESIVE
NOTE : PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

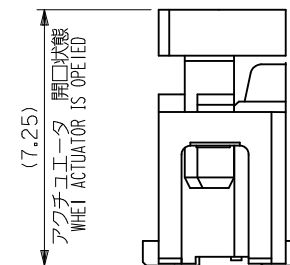
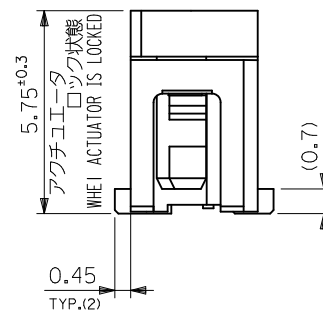
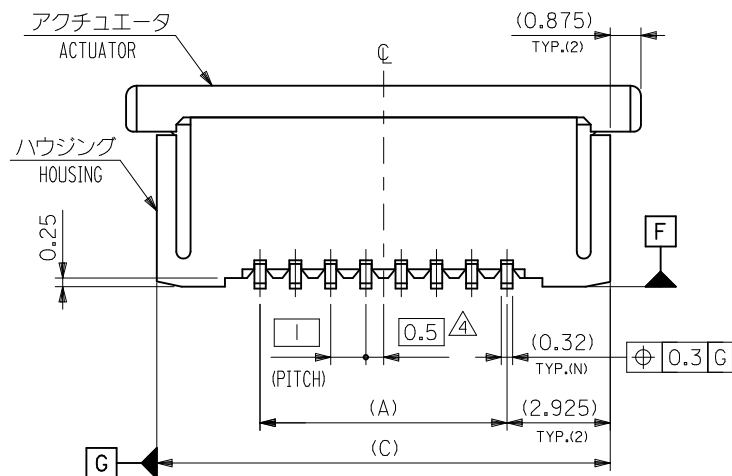
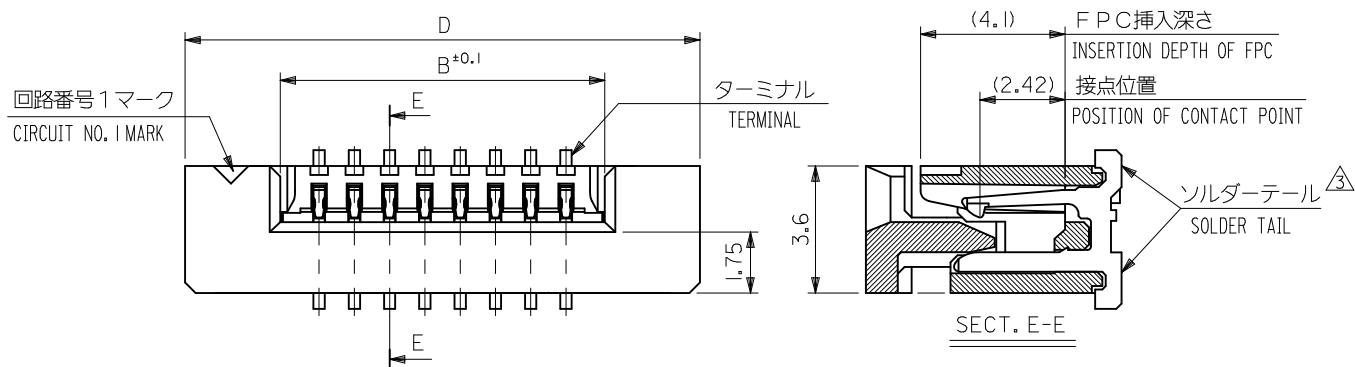




FPC構成推奨仕様
STRUCTURE OF FPC

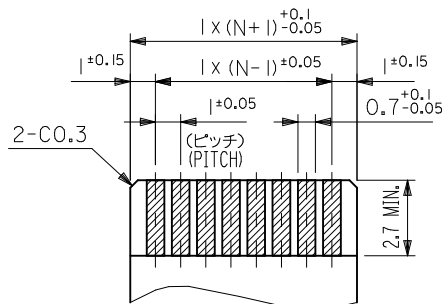
GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3

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		<div>molex®</div>					
		2016/12/28		MM		---							
		2016/12/28		ANGULAR TOL ± 3.0 °		DRWN BY		DATE		1.0 FPC CONN ZIF S/T HOUSING ASSY			
						YMIZUNO02		2016/10/12					
						CHK'D BY		DATE					
				YKOBAYASHI02		2016/12/28		PRODUCT CUSTOMER DRAWING					
				APPR BY		DATE							
				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	
								526101000		PSD	000	2 OF 2	

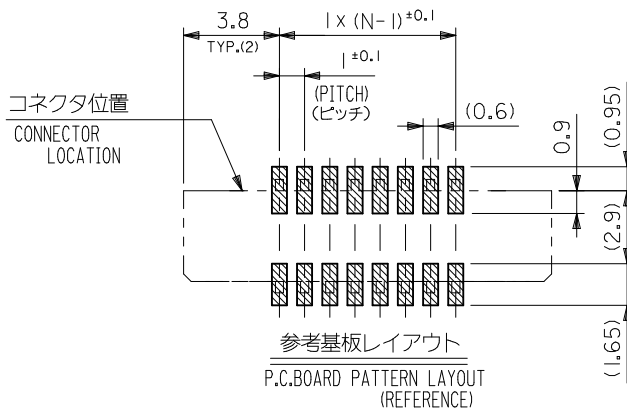
10 9 8 7 6 5 4 3 2 1



REVISED EC NO.: J2012-0856 DRWN: KMIYAHARA 2012/01/05 CHKD: KMIYAHARA 2012/01/05 APPR: KMORIKAWA 2012/02/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
		10 UNDER	± 0.2	DRAWN BY M. NABEI	DATE '05/07/21	TITLE 1.0 FPC CONN ZIF FOR SMT ST -LEAD FREE-					
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOYODA	DATE '05/07/21						
		30 OVER	± 0.3	APPROVED BY N. UKITA	DATE '05/07/21	 MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.						DOCUMENT NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-036		1 OF 2				
G	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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



注記(NOTES):

1. 材料(MATERIAL)

ハウジング(HOUSING): 46NYLON , UL94V-0
アクチュエータ(ACTUATOR): PPS , UL94V-0
ターミナル(TERMINAL): リン青銅 (t 0.32)

PHOS-BRO

接点部: 金メッキ 0.1μm 以上

テール部: 錫メッキ 1μm 以上

下地: ニッケルメッキ 1μm 以上

CONTACT: GOLD 0.1 MICROMETER MINIMUM

TAIL: MATTE TIN 1 MICROMETER MINIMUM

NICKEL: UNDER 1 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. 52610-**-59 SHOULD BE LOCKED.

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 0.05 MAX.
下方向 0.15 MAX. とする。
MISALIGNMENT OF SOLDER TAILS FROM F UPPER DIRECTION : 0.05 MAX. ,
LOWER DIRECTION : 0.15 MAX.

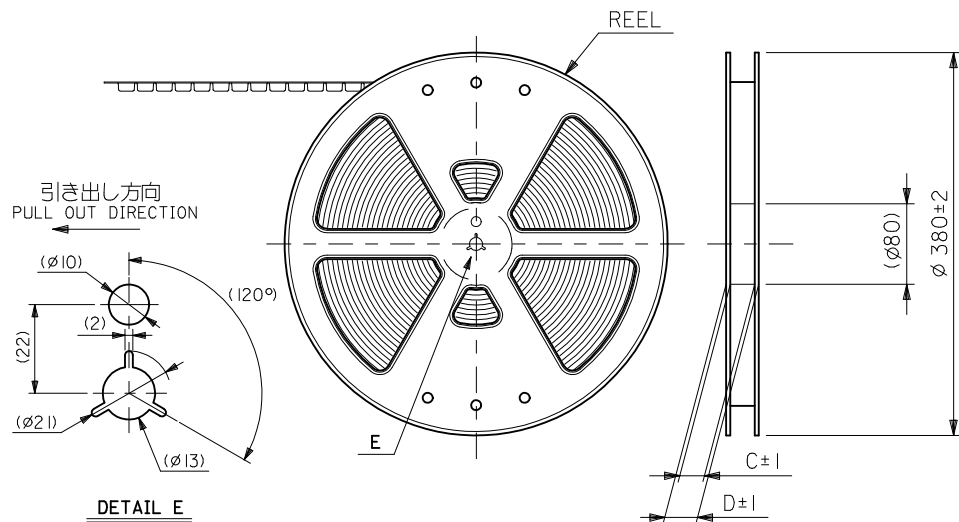
4. 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

5. 本製品は 52610 シリーズの接点金メッキ品である。
THIS PRODUCT IS Au-CONTACT OF 52610 SERIES.

36.6	34.85	31.2	29	52610-3072	52610-3015	30
32.6	30.85	27.2	25	52610-2672	52610-2615	26
31.6	29.85	26.2	24	52610-2572	52610-2515	25
30.6	28.85	25.2	23	52610-2472	52610-2415	24
28.6	26.85	23.2	21	52610-2272	52610-2215	22
26.6	24.85	21.2	19	52610-2072	52610-2015	20
25.6	23.85	20.2	18	52610-1972	52610-1915	19
24.6	22.85	19.2	17	52610-1872	52610-1815	18
23.6	21.85	18.2	16	52610-1772	52610-1715	17
22.6	20.85	17.2	15	52610-1672	52610-1615	16
21.6	19.85	16.2	14	52610-1572	52610-1515	15
20.6	18.85	15.2	13	52610-1472	52610-1415	14
19.6	17.85	14.2	12	52610-1372	52610-1315	13
18.6	16.85	13.2	11	52610-1272	52610-1215	12
17.6	15.85	12.2	10	52610-1172	52610-1115	11
16.6	14.85	11.2	9	52610-1072	52610-1015	10
15.6	13.85	10.2	8	52610-0972	52610-0915	9
14.6	12.85	9.2	7	52610-0872	52610-0815	8
12.6	10.85	7.2	5	52610-0672	52610-0615	6
11.6	9.85	6.2	4	52610-0572	52610-0515	5

52610-**-15	D	(C)	B	(A)	EMBOSSD TAPE	MATERIAL. NO.	極数 CKT.
MODEL NO.					ORDER No. オーダー番号		

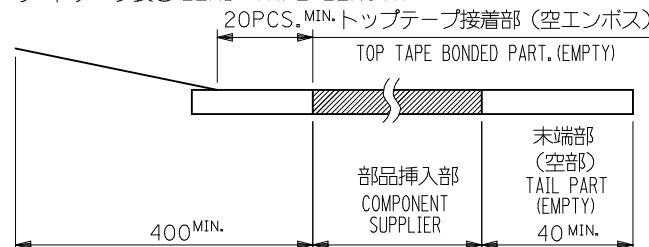
REVISED EC NO.: J2012-0856 DRWN: KMIYAHARA 2012/01/05 CHKD: KMIYAHARA 2012/01/05 APPR: KMORIKAWA 2012/02/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NABEI	DATE '05/07/21	TITLE 1.0 FPC CONN ZIF FOR SMT ST -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOYODA	DATE '05/07/21					
		30 OVER	± 0.3	APPROVED BY N. UKITA	DATE '05/07/21	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-036		2 OF 2			
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



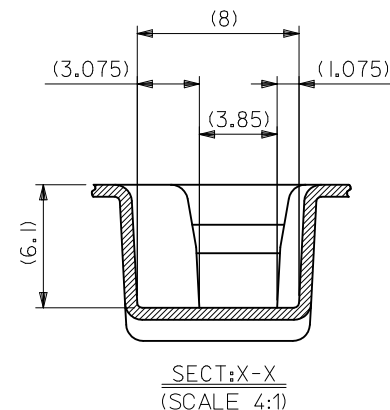
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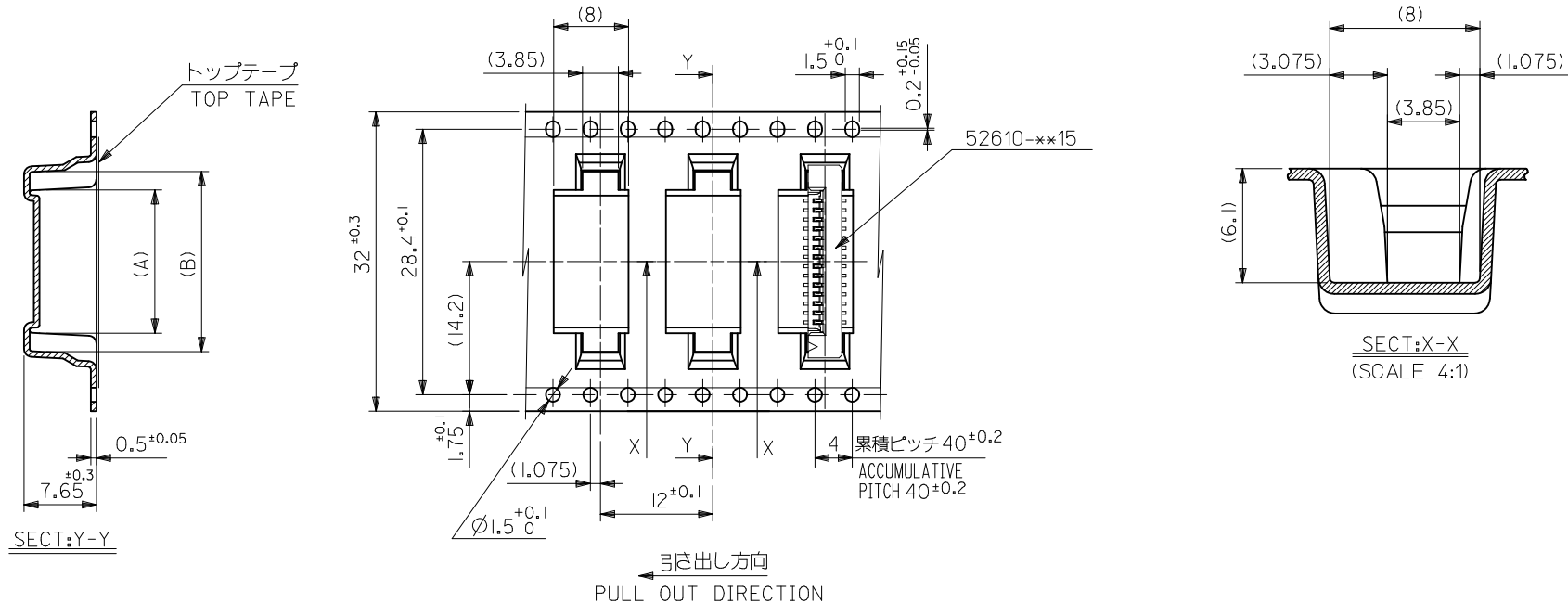
- 梱包数量：1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH
20PCS. MIN. トップテープ接着部 (空エンボス)
TOP TAPE BONDED PART. (EMPTY)
部品挿入部
COMPONENT
SUPPLIER
末端部 (空部)
TAIL PART
(EMPTY)
400 MIN.
40 MIN.
- 52610-**-15 のアクチュエータはハウジング内に押し下げた状態とする。
詳細寸法については図面 SD-52610-036 を参照下さい。
ACTUATOR OF PART NO. 52610-**-15 SHOULD BE LOCKED.
RE DETAILED DIMENSIONS , SEE SD-52610-036.
- 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE) : PET , PE , PEF
リール (REEL) : ポリスチレン (P S) <リサイクル材を含む>
POLYSTYRENE (P S) <RECYCLE MATERIAL CONTAINED>
- 本製品は 52610 シリーズの接点金メッキ品である。
THIS PRODUCT IS Au-CONTACT OF 52610 SERIES.
- 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.

引き出し方向
PULL OUT
DIRECTION



REVISED EC NO: J2012-0856 DRAWN: K. MIYAHARA 2012/01/05 CHKD: K. TAKAHASHI 2012/01/05 APPR: K. MORIKAWA 2012/02/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NABEI	DATE '05/07/21	TITLE 1.0 FPC CONN SMT ZIF EMBSTP PKG -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOYODA	DATE '05/07/21					
		30 OVER	± 0.3	APPROVED BY N. UKITA	DATE '05/07/21	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-037		1 OF 5			
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								





		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					
		52610-**72		キャリアテープ幅 CARRIER TAPE WIDTH		D		C		(B)		(A)		MATERIAL. NO.		極数 CKT.			
		MODEL NO.																	
REVISED EC NO.: J2012-0856 DRAWN: KMIYAHARA 2012/01/05 CHKD: KTAHASHI 2012/01/05 APPR: KMORIKAWA 2012/02/07		DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY				SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION			
				10 UNDER		± 0.2		DRAWN BY M. NABEI		DATE '05/07/21		1.0 FPC CONN SMT ZIF EMBSTP PKG -LEAD FREE- MOLEX INCORPORATED							
				10 OVER 30 UNDER		± 0.25		CHECKED BY K. TOYODA		DATE '05/07/21									
				30 OVER		± 0.3		APPROVED BY N. UKITA		DATE '05/07/21									
				ANGULAR ±3 °				MATERIAL NO.											
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				DOCUMENT NO.				SD-52610-037				SHEET NO. 3 OF 5	
T		REV						SIZE A3				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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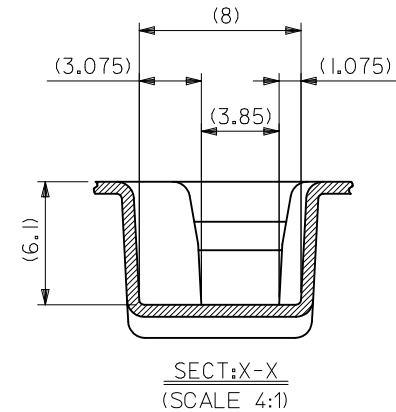
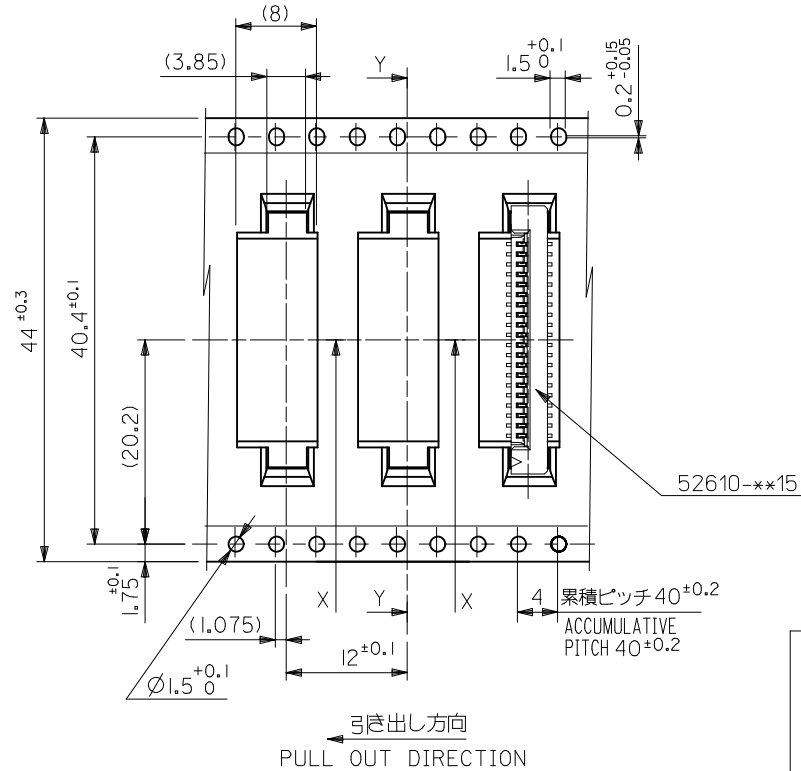
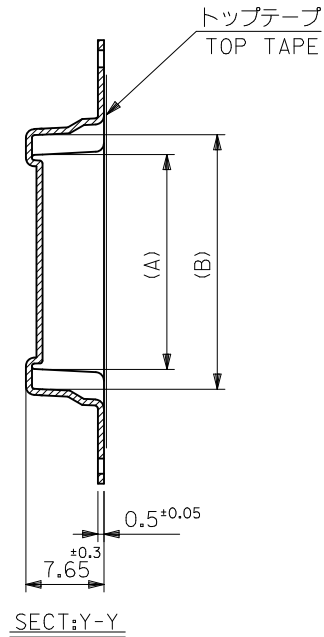
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52610-**72

MODEL NO.

キャリアテープ幅
CARRIER TAPE WIDTH

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
27.25	23.32	52610-2272	22
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
(B)	(A)	MATERIAL. NO.	極数 CKT.

REVISED
EC NO: J2012-0856
DRAWN: KMIYAHARA 2012/01/05
CHKD: KMIYAHARA 2012/02/07
APPR: KMORI KAWA

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

DIMENSION STYLE
MM ONLY

DRAWN BY
M. NABEI
DATE
'05/07/21

CHECKED BY
K. TOYODA
DATE
'05/07/21

APPROVED BY
N. UKITA
DATE
'05/07/21

MATERIAL NO.

SEE TABLE

SIZE
A3SCALE
---DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

1.0 FPC CONN SMT ZIF
EMBOSTP PKG
-LEAD FREE-

molex

MOLEX INCORPORATED

DOCUMENT NO.

SD-52610-037

SHEET NO.

4 OF 5

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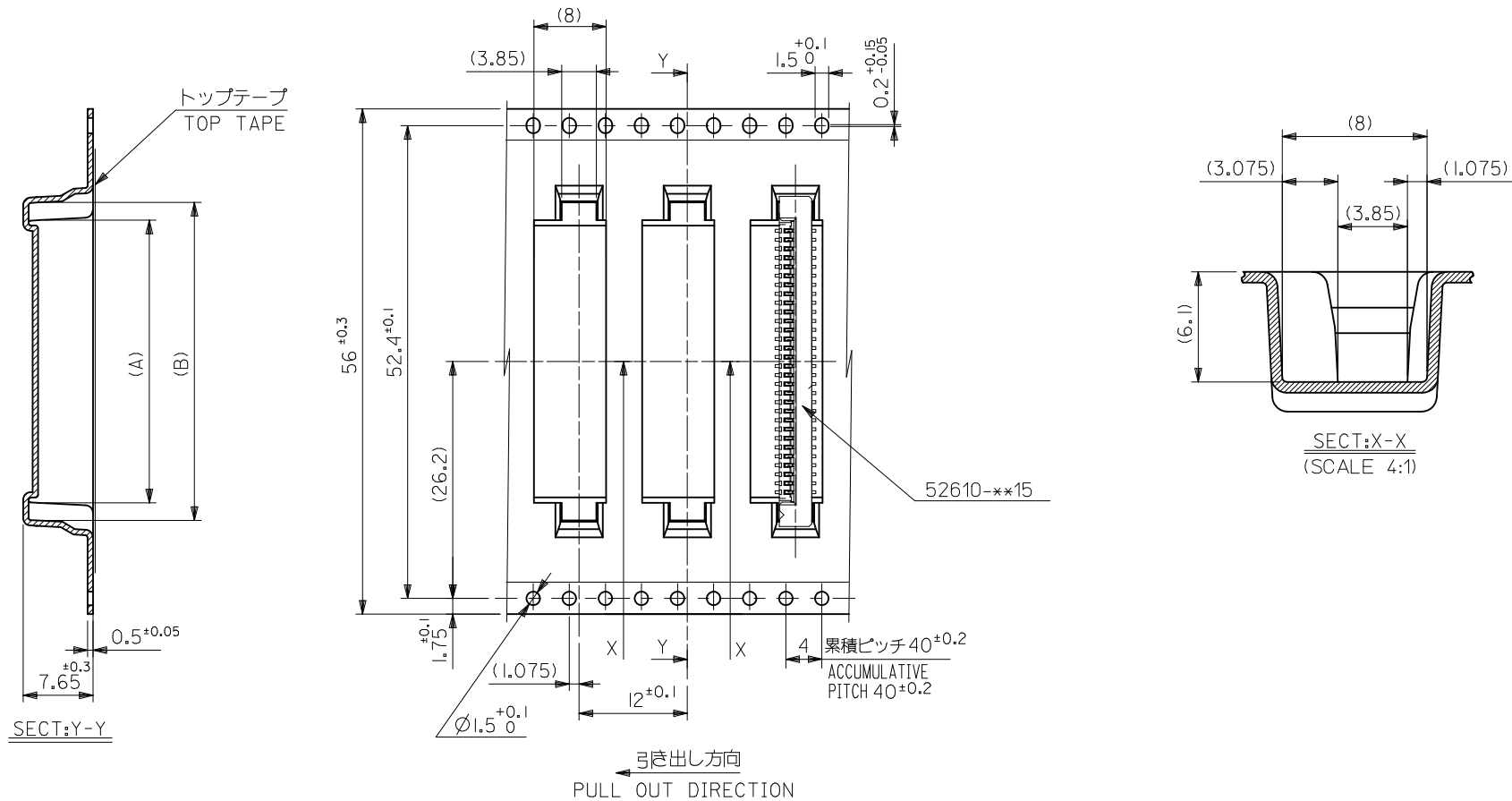
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		52610-**72		56		61.4		57.4		35.25		31.32		52610-3072		30	
		MODEL NO.		キャリアテープ幅 CARRIER TAPE WIDTH		D		C		(B)		(A)		MATERIAL. NO.		極数 CKT.	
REVISED EC NO. J2012-0856 DRAWN: KMIYAHARA 2012/01/05 CHKD: KTAHASHI 2012/01/05 APPR: KMORIKAWA 2012/02/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY				SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION					
				DRAWN BY M. NABEI		DATE '05/07/21		TITLE 1.0 FPC CONN SMT ZIF EMBSTP PKG -LEAD FREE-									
		10 UNDER ±0.2		CHECKED BY K. TOYODA		DATE '05/07/21											
		10 OVER 30 UNDER ±0.25		APPROVED BY N. UKITA		DATE '05/07/21		MOLEX INCORPORATED									
		30 OVER ±0.3		MATERIAL NO.										DOCUMENT NO.			
	ANGULAR ±3 °		SEE TABLE				SD-52610-037				5 OF 5						
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											