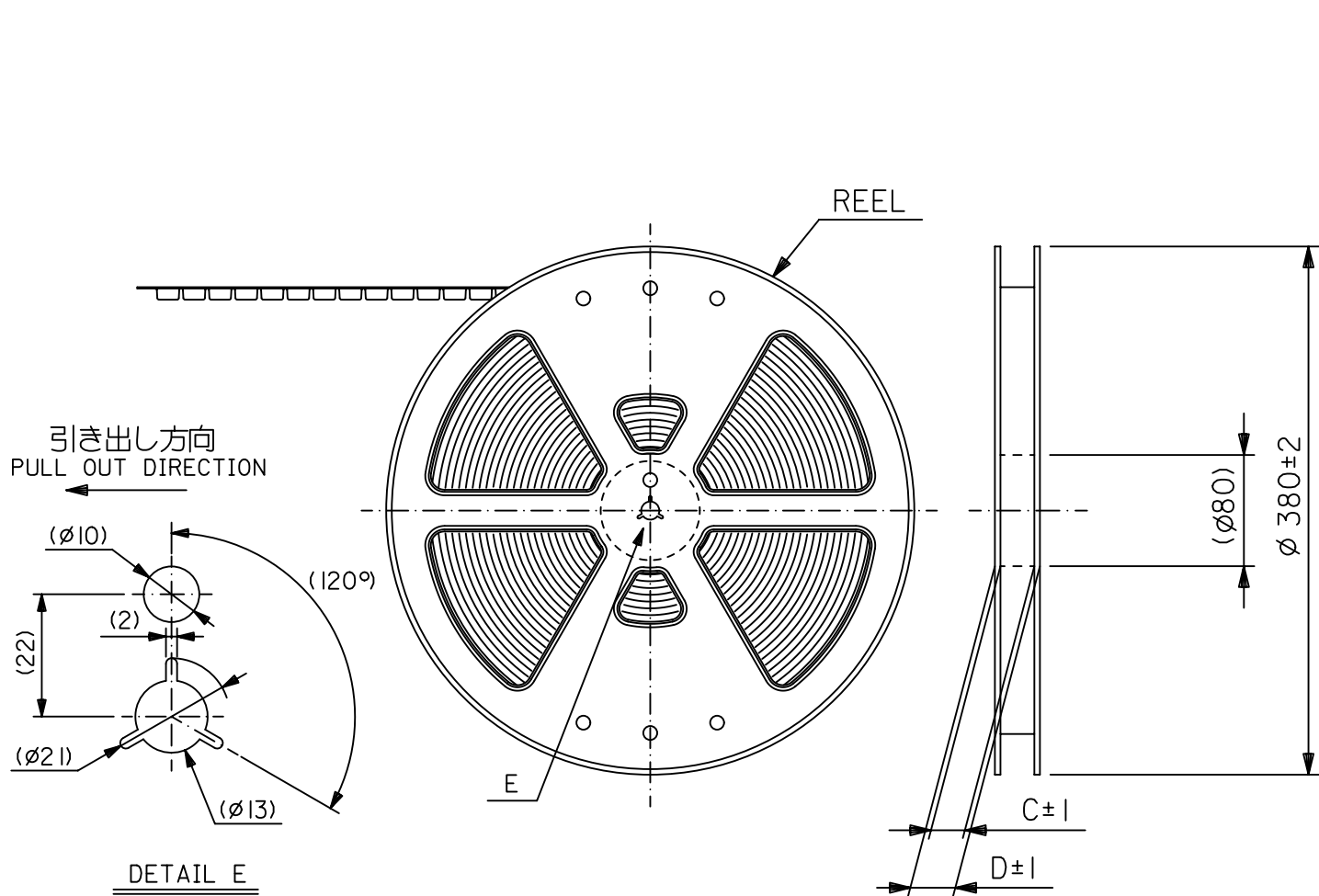
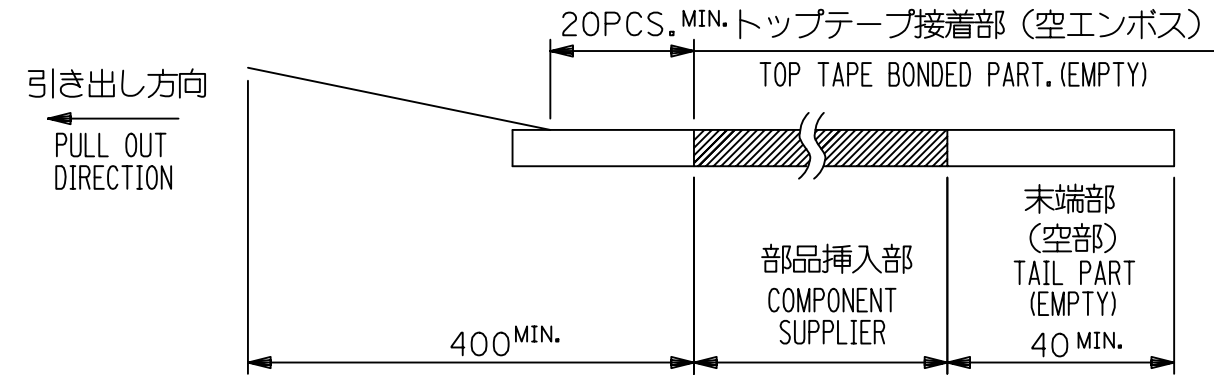




NOTE

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



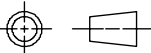
3.52610-**15のアクチュエータはハウジング内に押し下げた状態とする。
詳細寸法については図面 526101000 PSD 000 を参照下さい。
ACTUATOR OF PART NO. 52610-**15 SHOULD BE LOCKED.
RE DETAILD DIMENSIONS, SEE 526101000 PSD 000.

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>

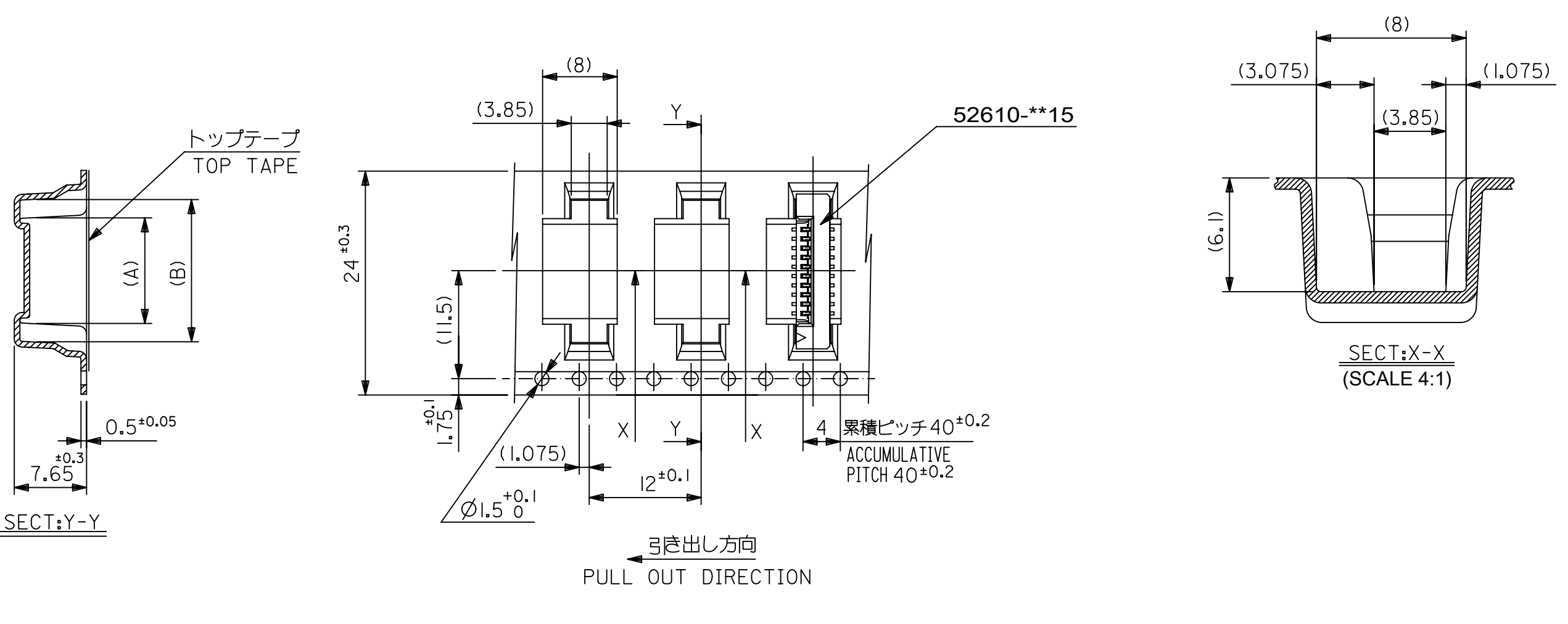
5.本製品は52610シリーズの接点金めっき品である。
THIS PRODUCT IS Au-CONTACT OF 52610 SERIES.

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.

MODEL NO. 52610-**72

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	molex® 1.0 FPC CONN ZIF ASSY SMT ST EMBSTP PKG					
					MM	---						
			ANGULAR TOL ± 3.0 °		DRWN BY	DATE						
			4 PLACES ± 0.2	YMIZUNO02	2016/10/12							
			3 PLACES ± 0.2	CHK'D BY	DATE							
			2 PLACES ± 0.2	YKOBAYASHI02	2016/12/28							
			1 PLACE ± 0.2	APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER						
	0 PLACES ± 0.2	TKUSUHARA01	2016/12/28									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION		52610	SEE CHART		GENERAL			
	A	REV			A3		DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER	
			526100000				PSD	000	1 OF 5			

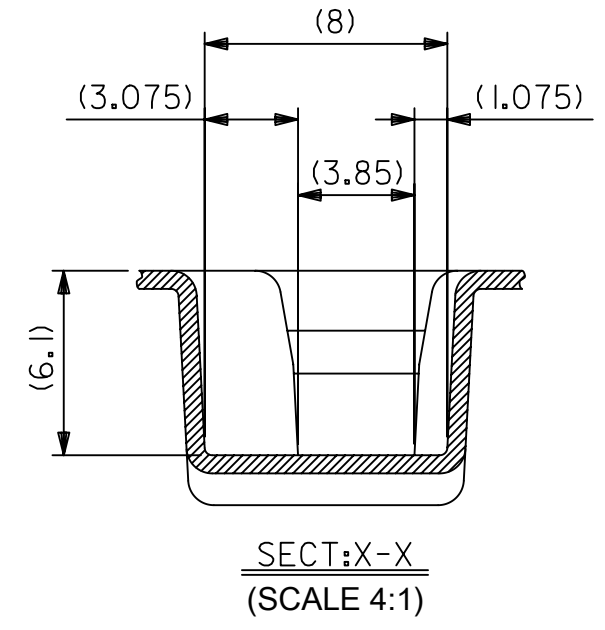
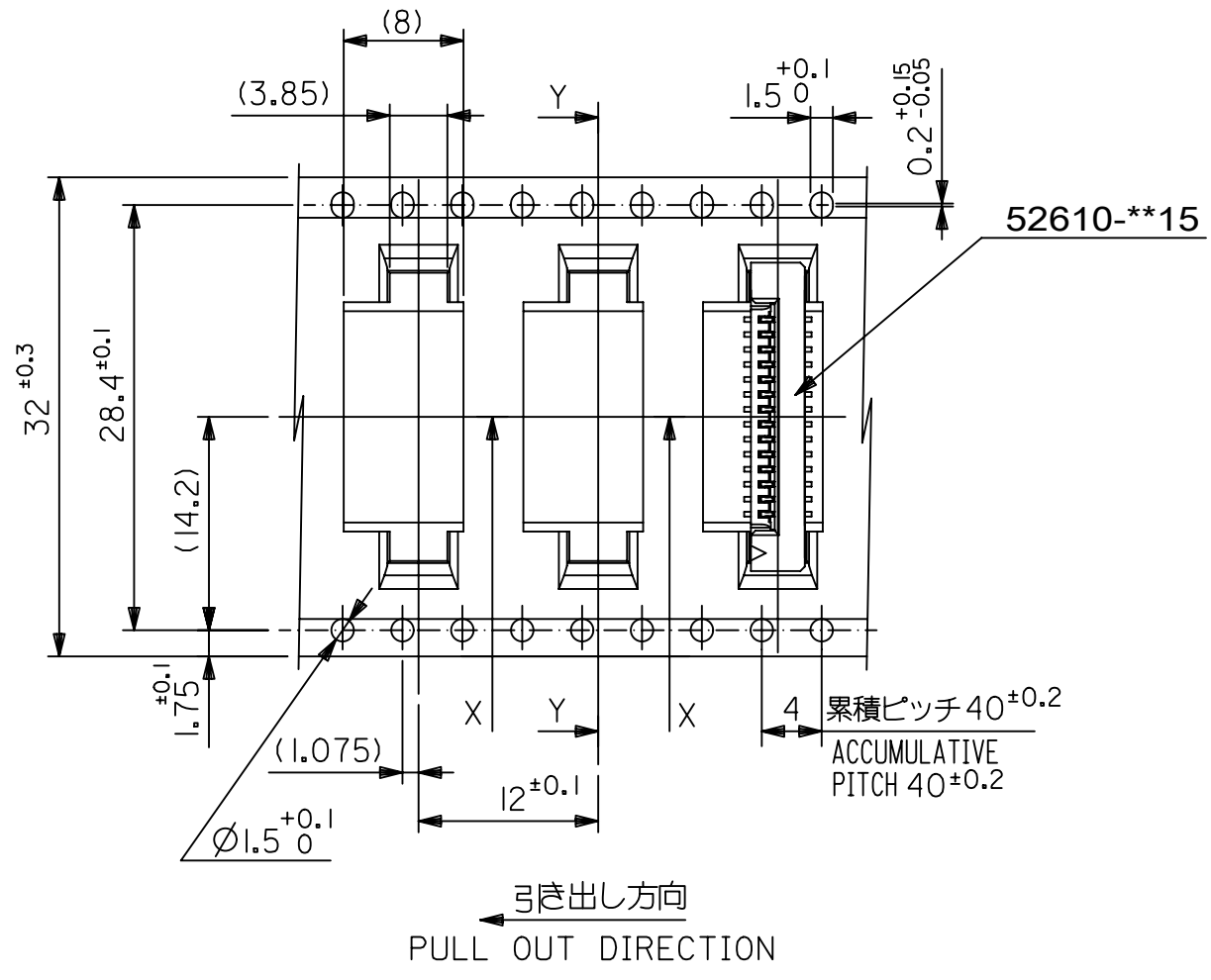
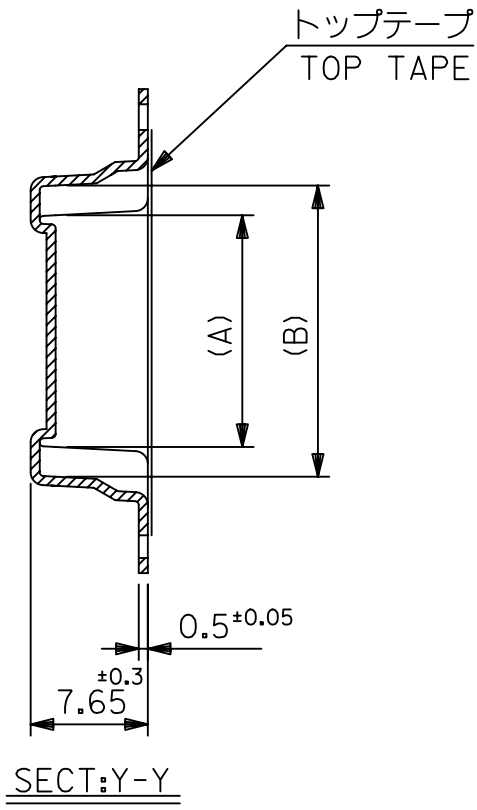
RELEASE STATUS	RELEASE DATE
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24	29.4	25.4	15.25	11.32	52610-1072	10
			14.25	10.32	52610-0972	9
			13.25	9.32	52610-0872	8
			12.25	8.32	52610-0772	7
			11.25	7.32	52610-0672	6
			10.25	6.32	52610-0572	5
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL 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)		DIMENSION UNITS		SCALE		molex®						
					MM		---								
			ANGULAR TOL ± 3.0 °		DRWN BY		DATE		1.0 FPC CONN ZIF ASSY SMT ST EMBSTP PKG						
			4 PLACES ± 0.2		YMIZUNO02		2016/10/12								
			3 PLACES ± 0.2		CHK'D BY		DATE								
			2 PLACES ± 0.2		YKOBAYASHI02		2016/12/28								
			1 PLACE ± 0.2		APPR BY		DATE		PRODUCT CUSTOMER DRAWING						
			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		
A	REV						DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
								526100000		PSD		000		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
2016/12/28
2016/12/28

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL $\pm 3.0^\circ$

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

SCALE

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

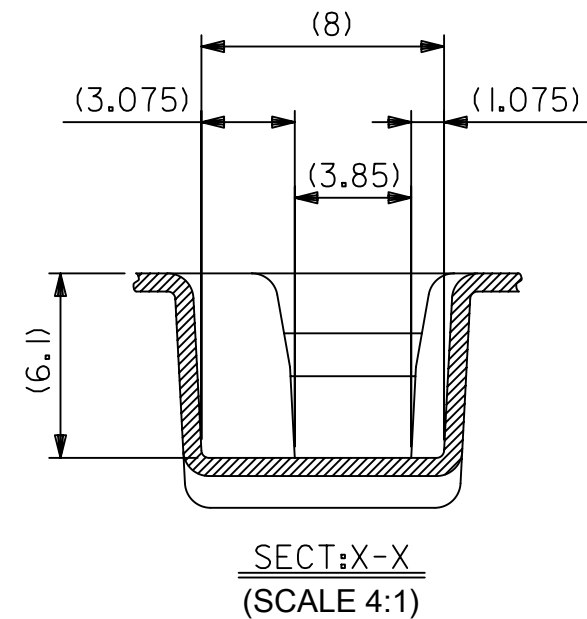
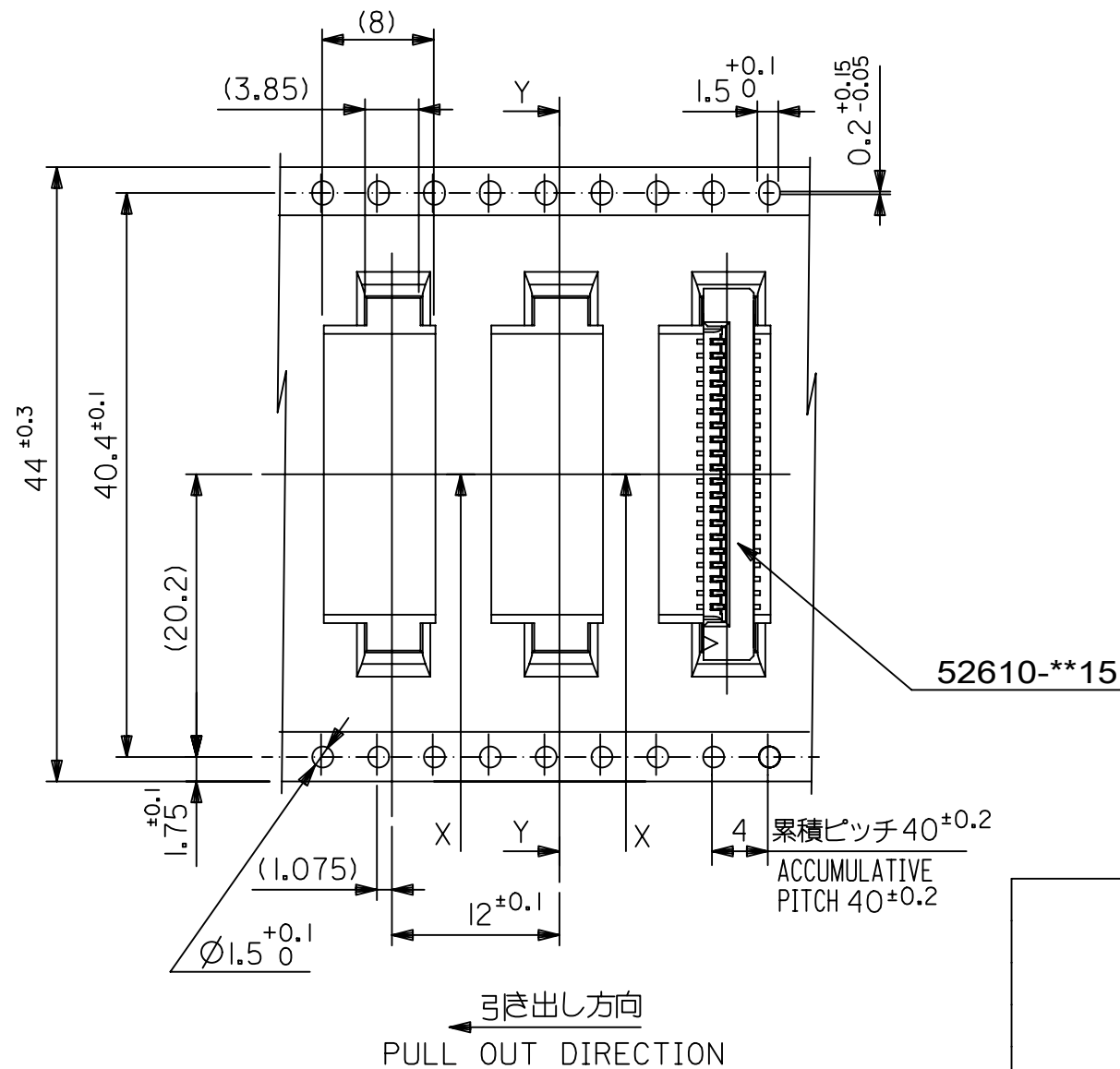
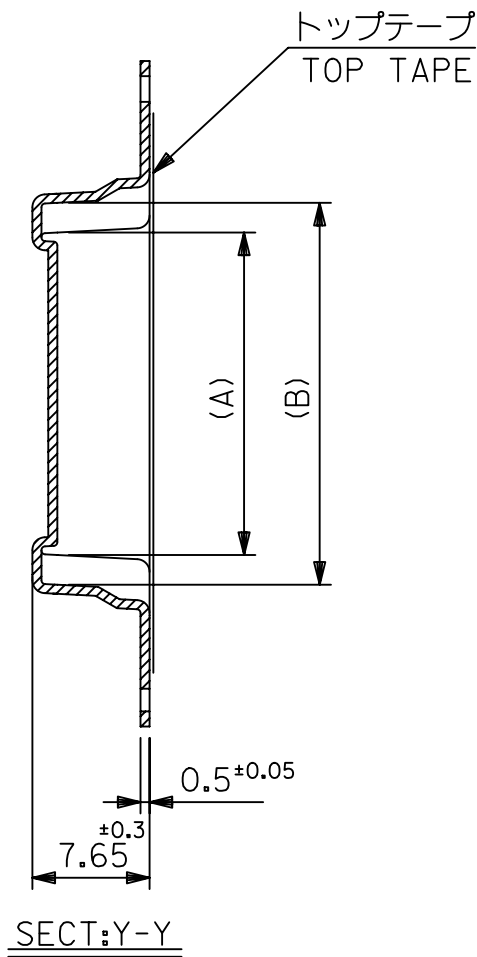
THIRD ANGLE PROJECTION

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 000
SHEET NUMBER 3 OF 5		

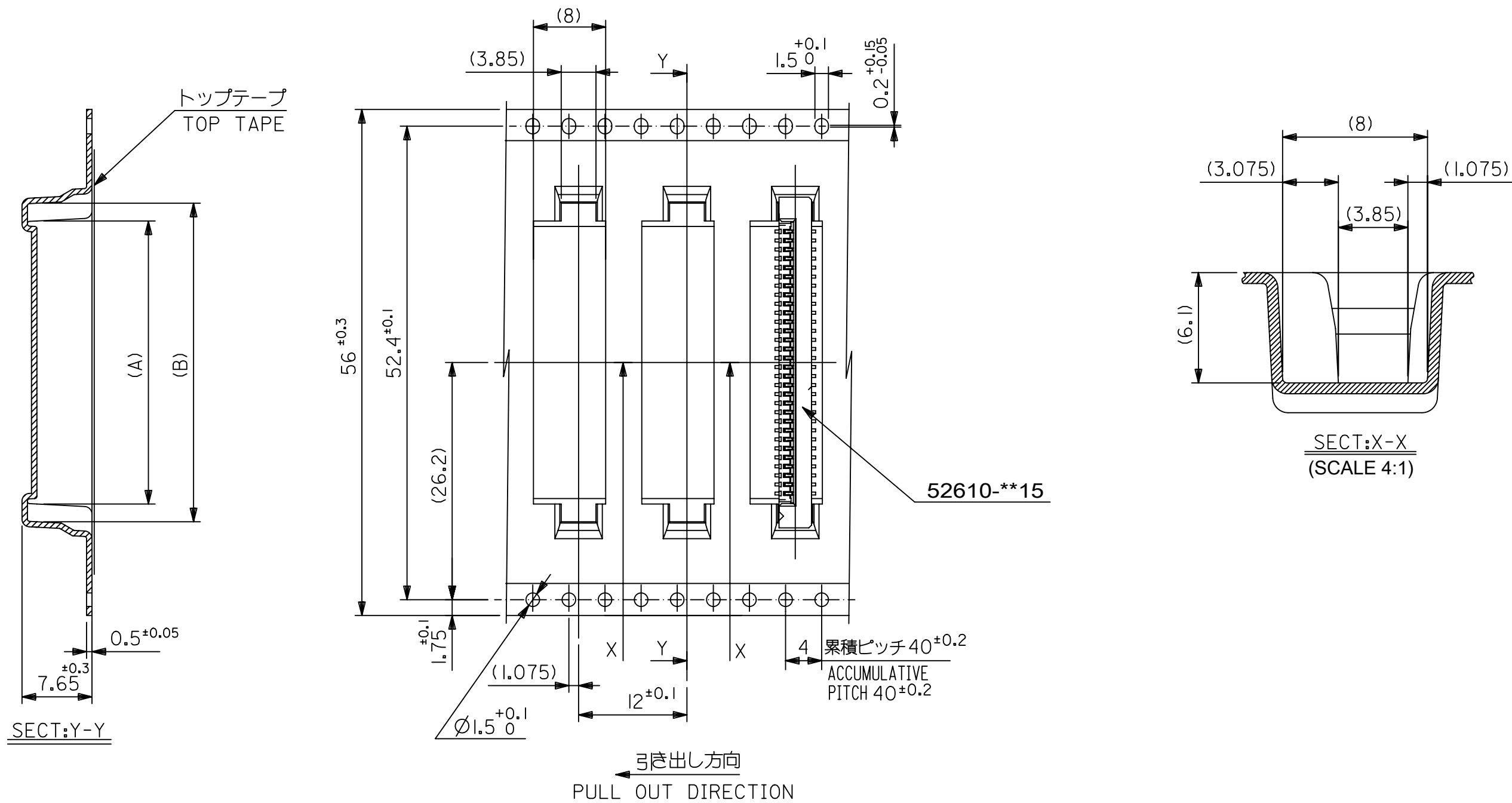


44	49.4	45.4	31.25	27.32	52610-2672	26
			30.25	26.32	52610-2572	25
			29.25	25.32	52610-2472	24
			28.25	24.32	52610-2372	23
			27.25	23.32	52610-2272	22
			26.25	22.32	52610-2172	21
			25.25	21.32	52610-2072	20
			24.25	20.32	52610-1972	19
			23.25	19.32	52610-1872	18
			22.25	18.32	52610-1772	17
			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

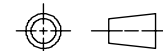
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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	molex® 1.0 FPC CONN ZIF ASSY SMT ST EMBSTP PKG				
		ANGULAR TOL ± 3.0 °		MM	---					
		4 PLACES	± 0.2	DRWN BY	DATE					
		3 PLACES	± 0.2	YMIZUNO02	2016/10/12	PRODUCT CUSTOMER DRAWING				
		2 PLACES	± 0.2	CHK'D BY	DATE					
		1 PLACE	± 0.2	YKOBAYASHI02	2016/12/28					
		0 PLACES	± 0.2	APPR BY	DATE					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		TKUSUHARA01	2016/12/28					
				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	4 OF 5	

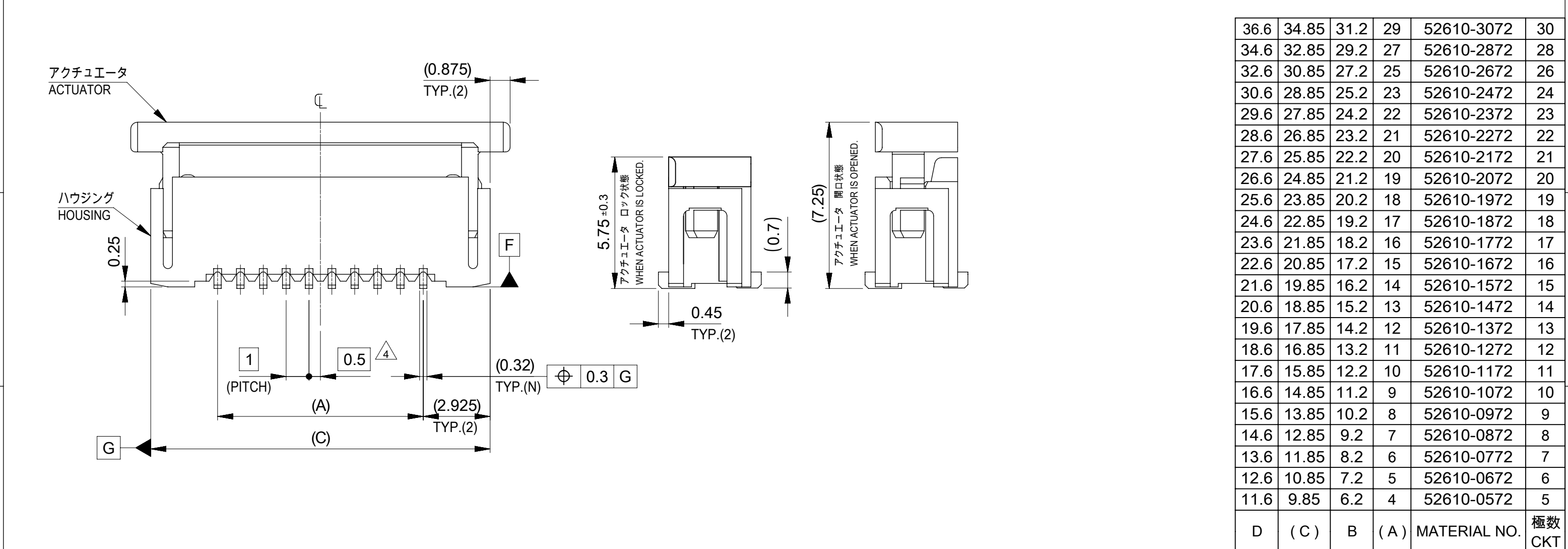
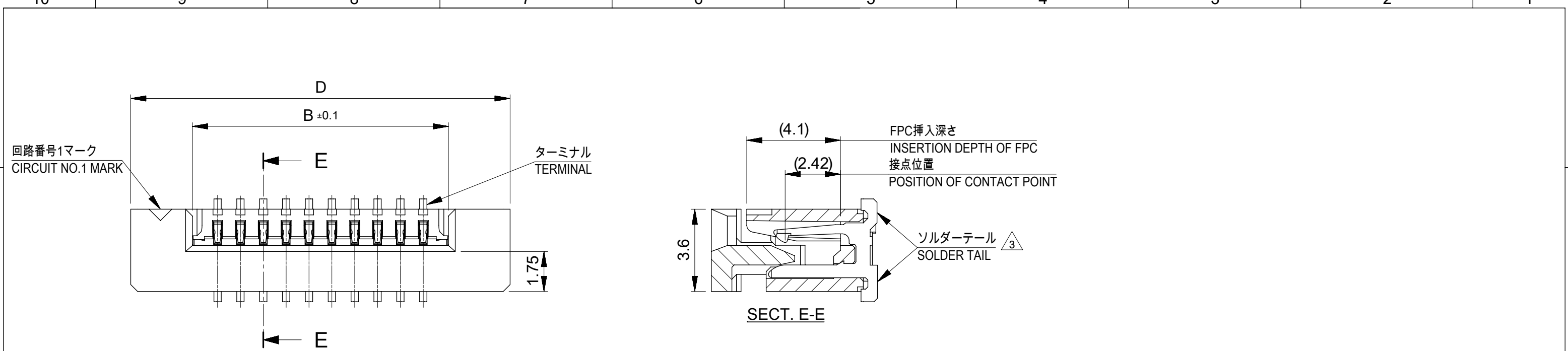
RELEASE STATUS		RELEASE DATE	
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56	61.4	57.4	35.25	31.32	52610-3072	30
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT

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 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																
	1 PLACE		± 0.2						SERIES 52610			MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL					
	0 PLACES		± 0.2																
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE A3		THIRD ANGLE PROJECTION 		DOCUMENT NUMBER 526100000			DOC TYPE PSD		DOC PART 000		SHEET NUMBER 5 OF 5	

RELEASE STATUS	RELEASE DATE	



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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
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 A3-SIZE	
SERIES 52610	
MATERIAL NUMBER SEE TABLE	
CUSTOMER GENERAL	
SHEET NUMBER 1 OF 2	

CURRENT REV DESC:	
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	

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
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1.0 FPC CONN ZIF S/T HOUSING ASSY	
PRODUCT CUSTOMER DRAWING	
DOCUMENT NUMBER	526101000
DOC TYPE	PSD
DOC PART	000
REVISION	C

A

- 5.エンボステーブ梱包時は、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.

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)

C

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

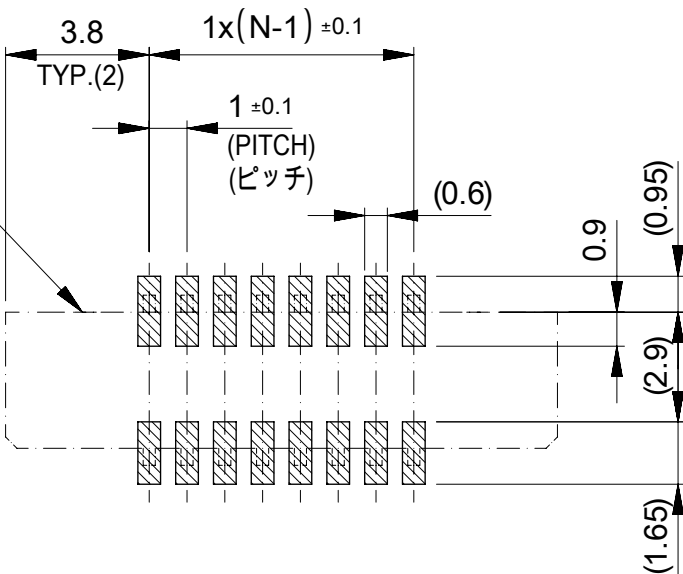
マスク厚：120μm
マスク開口率：100%
SCREEN THICKNESS：120 MICROMETER
SCREEN OPEN RATIO：100%

D

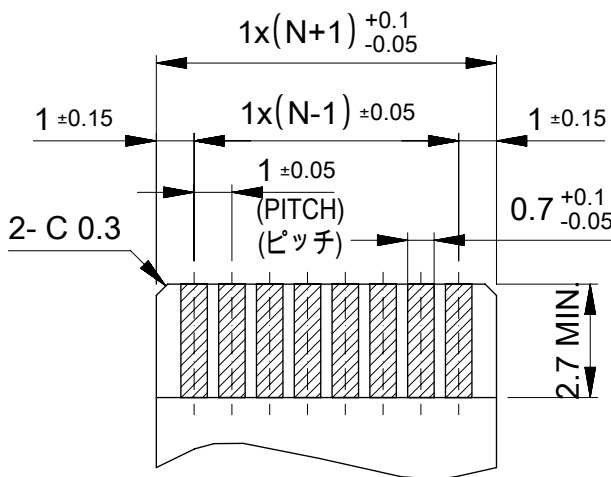
E

F

コネクタ位置
CONNECTOR
LOCATION



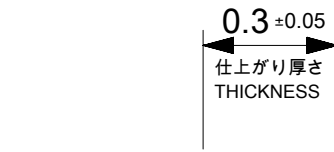
適合FPC/FFC推奨寸法
APPLICABLE FPC/FFC
RECOMMENDED DIMENSION
(仕上がり厚さ：0.3±0.05)
(THICKNESS：0.3±0.05)



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)



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)



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.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
DIMENSION UNITS		SCALE		CURRENT REV DESC:													
mm		---															
GENERAL TOLERANCES (UNLESS SPECIFIED)				molex 1.0 FPC CONN ZIF S/T HOUSING ASSY PRODUCT CUSTOMER DRAWING													
ANGULAR TOL ± 3.0 °																	
4 PLACES		± 0.03															
3 PLACES		± 0.03															
2 PLACES		± 0.05															
1 PLACE		± 0.1		INITIAL REVISION:													
0 PLACES		± 0.2															
EC NO: 745355				DRWN: RAJMOK 2023/04/06													
CHK'D: HSHIMOYAMA				2023/04/07													
APPR: HSHIMOYAMA				2023/04/07													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A3-SIZE		52610		526101000		PSD		000		C	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										SEE SHEET-1		GENERAL				2 OF 2	

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

molex

1.0 FPC CONN ZIF S/T HOUSING ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
526101000

DOC TYPE
PSD

DOC PART
000

REVISION
C

MATERIAL NUMBER
SEE SHEET-1

CUSTOMER
GENERAL

SHEET NUMBER
2 OF 2

A

B

C

D

E

F