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Part Number: [0526100833](#)
Status: **Active**
Overview: FFC-FPC (SMT)
Description: Easy-On™ Type FFC/FPC Connector, Vertical, Surface Mount, ZIF Receptacle, 8 Circuits, High Barrier Packaging

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-52610-032 \(PDF\)](#)
[Packaging Specification SPK-52610-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family FFC/FPC Connectors
Series [52610](#)
Overview [FFC-FPC \(SMT\)](#)
Product Name Easy-On™
UPC 887191316024

Physical

Circuits (Loaded) 8
Color - Resin Natural
Contact Position N/A
Durability (mating cycles max) 30
Entry Angle Vertical
Flammability 94V-0
Mated Height 5.75mm
Material - Metal Phosphor Bronze
Material - Plating Mating Silver, Tin-Bismuth
Material - Plating Termination Silver, Tin-Bismuth
Material - Resin Nylon
Net Weight 453.700/mg
Number of Rows 1
Orientation Vertical
PC Tail Length 2.00mm
PCB Locator No
PCB Retention None
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface 1.00mm
Pitch - Termination Interface 1.00mm
Polarized to PCB No
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FFC/FPC

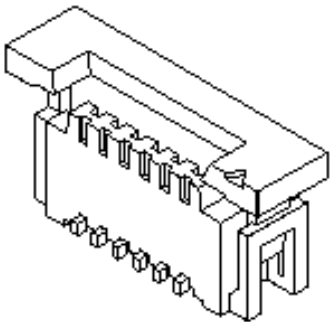
Electrical

Current - Maximum per Contact 1.0A
Voltage - Maximum 125V

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-52610-003



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/21/2016 (20 June
2016)

Halogen-Free

Status

Not Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[52610](#) Series

Mates With

Molex Premo-Flex FFC. Be sure to match like plating

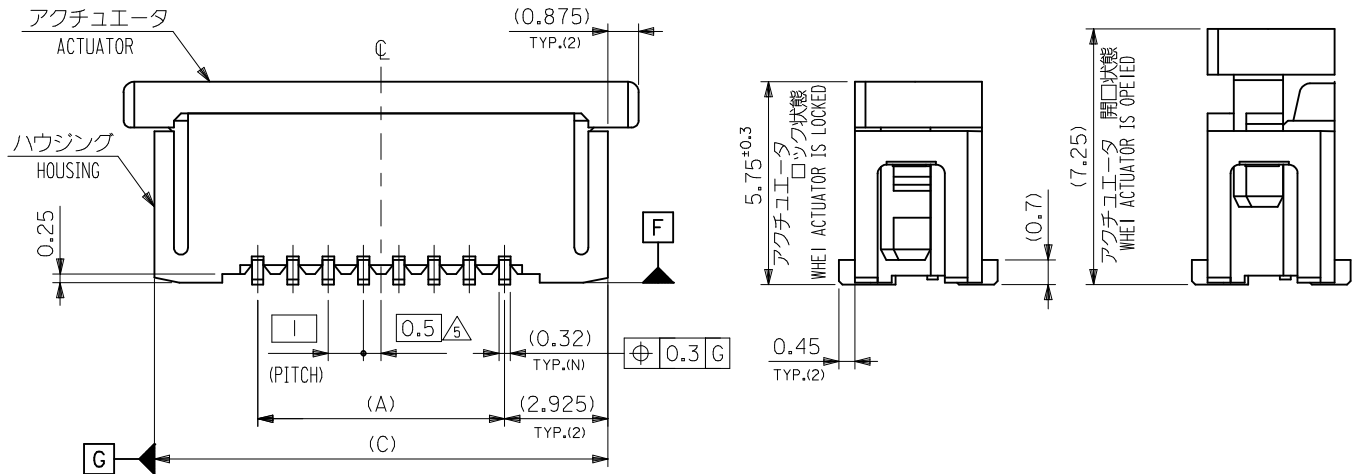
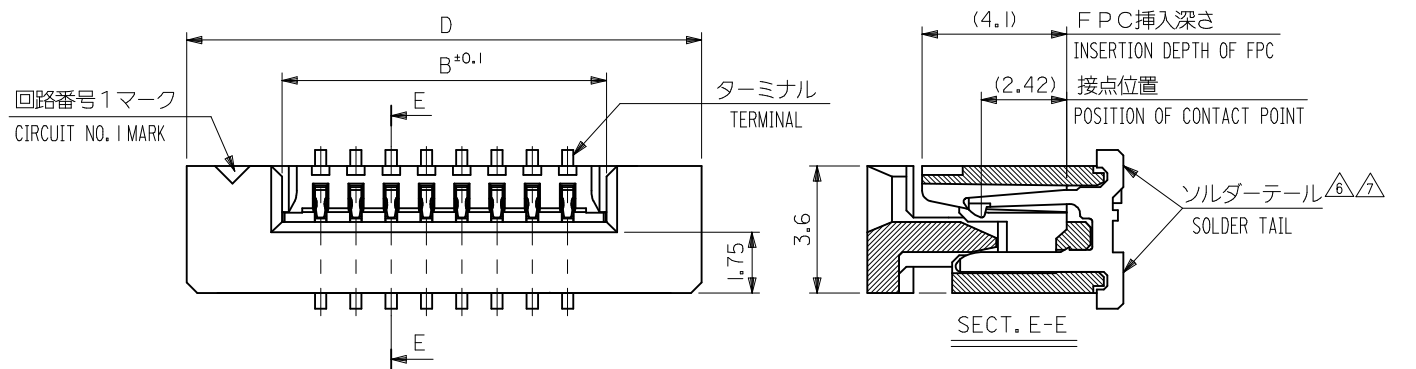
Product Specification

Sales Drawing

PS-52610-032, RPS-52610-075, RPS-52610-076,
RPS-52610-079
SD-52610-048, SD-52610-049

This document was generated on 10/21/2016

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36.6	34.85	31.2	29	52610-3033	30
34.6	32.85	29.2	27	52610-2833	28
32.6	30.85	27.2	25	52610-2633	26
31.6	29.85	26.2	24	52610-2533	25
30.6	28.85	25.2	23	52610-2433	24
29.6	27.85	24.2	22	52610-2333	23
28.6	26.85	23.2	21	52610-2233	22
27.6	25.85	22.2	20	52610-2133	21
26.6	24.85	21.2	19	52610-2033	20
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19.6	17.85	14.2	12	52610-1333	13
18.6	16.85	13.2	11	52610-1233	12
17.6	15.85	12.2	10	52610-1133	11
16.6	14.85	11.2	9	52610-1033	10
15.6	13.85	10.2	8	52610-0933	9
14.6	12.85	9.2	7	52610-0833	8
13.6	11.85	8.2	6	52610-0733	7
12.6	10.85	7.2	5	52610-0633	6
11.6	9.85	6.2	4	52610-0533	5
D	(C)	B	(A)	EMBOSSED PACKAGE ORDER No. オーダー番号	極数 CKT.

CONNECTOR SERIES NO. : 52610-**22

REVISED EC NO: J2014-0096 DRAWN: AISHI CHKD: TAKAHASHI APPR: YNOGAWA	DESCRIPTION 2013/07/18 2013/07/18 2013/08/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY NASANUMA	DATE 2012/09/04	TITLE 1.0 FPC CONN ZIF S/T HOUSING ASSY				
		10 OVER 30 UNDER	±0.25	CHECKED BY TAKAHASHI	DATE 2012/09/04					
		30 OVER	±0.3	APPROVED BY KMORIKAWA	DATE 2013/03/15	molex				
		ANGULAR ±3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52610-048		1 OF 2		
	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

F

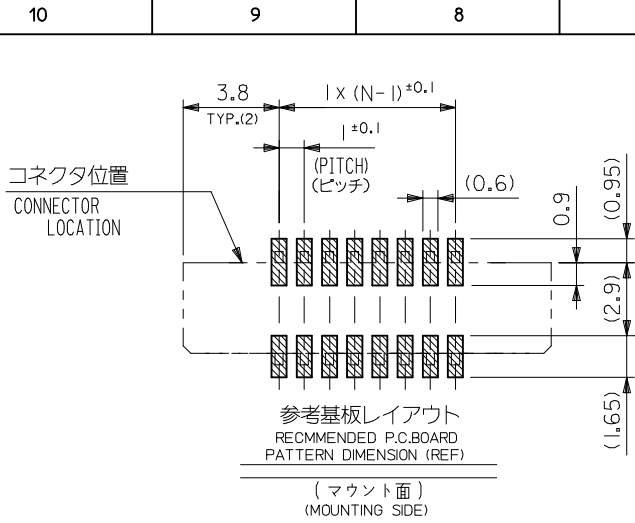
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マスク厚 : 120 μm
マスク開口率 : 100%
SCREEN THICKNESS : 120 MICROMETER
SCREEN OPEN RATIO : 100%

注記 (NOTES) :

- 材質 MATERIAL
ハウジング: ポリアミド(PA)・ナチュラル(白色)・ガラス充填, UL94V-0
HOUSING: POLYAMIDE, NATURAL(WHITE), GLASS FILLED, UL94V-0
アクチュエータ: ポリフェニレンサルファイドPPS, NATURAL(BROWN), GLASS FILLED, UL94V-0
ACTUATOR: POLYPHENYLENE SULFIDE, NATURAL(茶色)・ガラス充填, UL94-V0
ターミナル: リン青銅 (t=0.32)
TERMINAL: PHOSPHOR BRONZE (t=0.32)
- めっき仕様 PLATING
ターミナル TERMINAL
銅銀ビスマスめっき (1.0 μm以上)
TIN SILVER BISMUTH PLATING (1.0 MICROMETER MINIMUM)
下地: ニッケルめっき (1.0 μm以上)
UNDER PLATE: NICKEL PLATING (1.0 MICROMETER MINIMUM)

△ R0.3はFPCの導体部にかからないこと
R0.3 MUST NOT BE OVERLAPED TO PATTERN OF FPC.

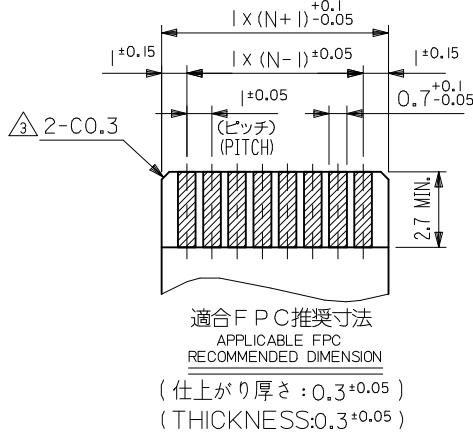
4. エンボステープ梱包時は、アクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR SHOULD BE LOCKED.

△ 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

△ 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 DIRECTION 0.05 MAX., LOWER DIRECTION 0.15 MAX.

△ ソルダータールの平坦度は0.1mm以下とする。
SOLDER TAIL COPLANARITY IS 0.1MM MAXIMUM.

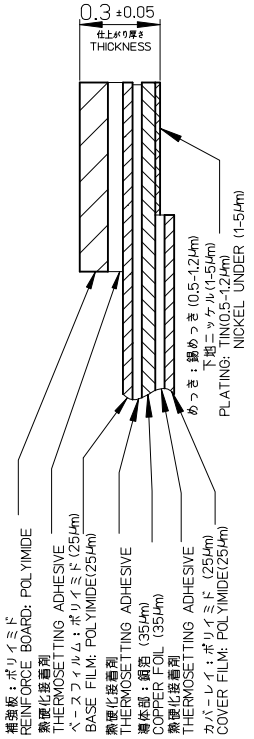
8. ELV及びRoHS適合品
ELV AND ROHS COMPLIANT



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烙銅35 μmまたは50 μm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25 μm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

SEE SHEET 1 OF 2	EC NO: J2014-0096 DRAWN: AISHI 2013/07/18 CHK'D: KAKAHASHI 2013/07/18 APPR: YNOGAWA 2013/08/19	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					MM ONLY		---	METRIC		
			10 UNDER	± 0.2	DRAWN BY	DATE	TITLE		1.0 FPC CONN ZIF S/T HOUSING ASSY	
			10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE				
			30 OVER	± 0.3	APPROVED BY	DATE	molex			
			ANGULAR	± 3 °	KMORI KAWA	2013/03/15				
B	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
					SEE CHART		SD-52610-048		2 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

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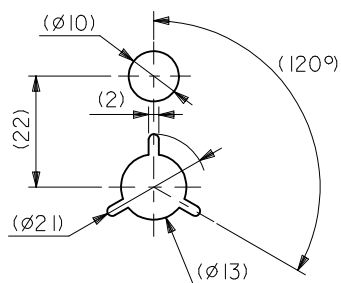
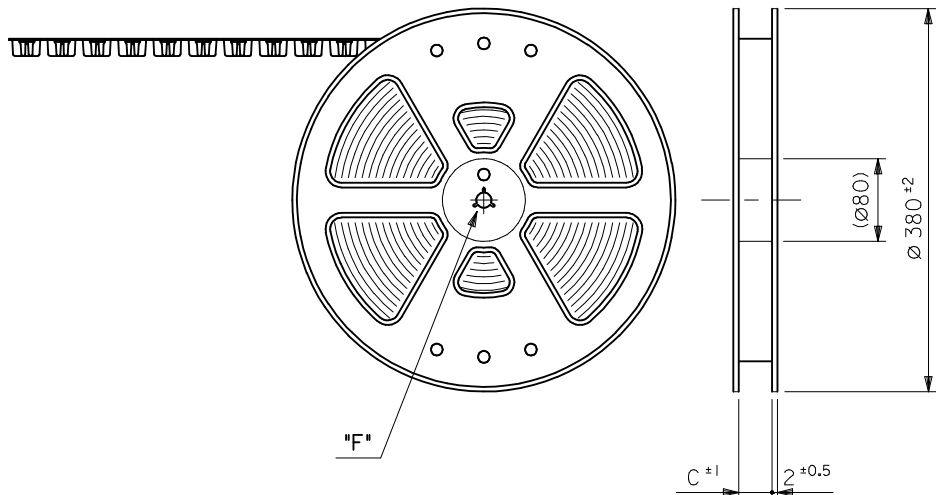
4

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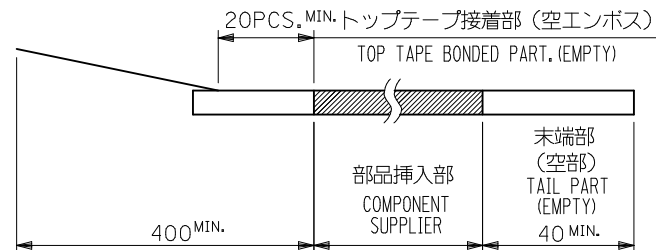
引き出し方向

PULL OUT
DIRECTION

DETAIL "F"

NOTES

- 52610-**-22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-52610-048をご参照ください。
ACTUATOR OF PART NO. 52610-**-22 SHOULD BE LOCKED.
RE DETAILED DIMENSIONS, SEE SD-52610-048
- 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

引き出し方向
PULL OUT
DIRECTION

- カバーテープの剥離強度については、IEC60286-3に準拠
COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3.
- 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 (TOP TAPE): PET, PE, PEF
リール(REEL): ポリスチレン(PS)<リサイクル材を含む>
POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

REVISED EC NO: J2014-0352 DRWN:NASANUMA 2013/08/26 CHKD:TAKAHASHI 2013/08/27 APPR:YNOGAWA 2013/08/30	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY NASANUMA	DATE 2012/09/05	TITLE EMBOSS TAPE PACKAGED FOR 1.0 FPC CONN ZIF S/T HOUSING ASSY				
		10 OVER 30 UNDER	± ---	CHECKED BY TAKAHASHI	DATE 2012/09/05					
		30 OVER	± ---	APPROVED BY KMORIKAWA	DATE 2013/03/15					
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52610-049		1 OF 3			
	A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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10	9	8	7	6	5	4	3	2	1
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トッテテープ
TOP TAPE

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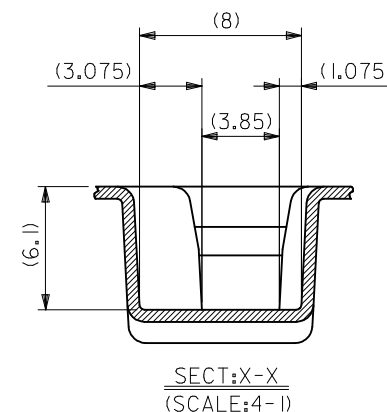
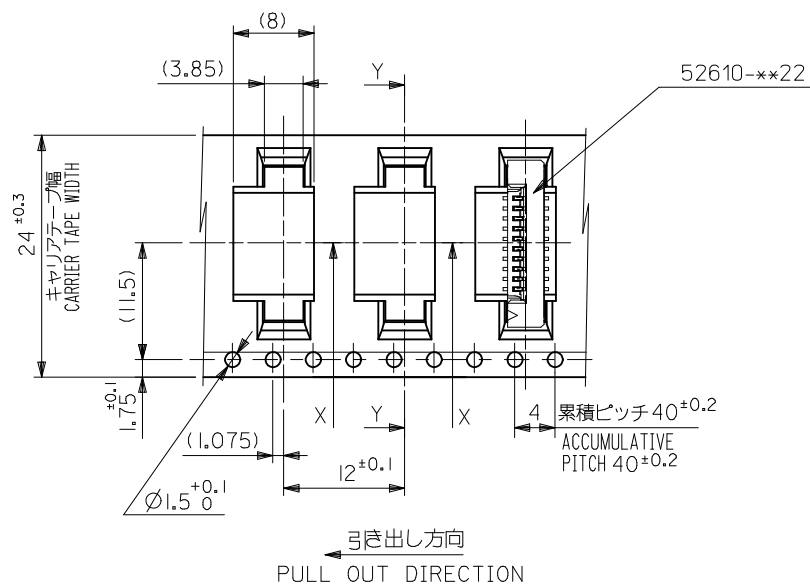
(B)

0.5 ± 0.05

± 0.3

7.65

SECT:Y-Y



24	11.5	25.5	15.25	11.32	52610-1033	10
			14.25	10.32	52610-0933	9
			13.25	9.32	52610-0833	8
			12.25	8.32	52610-0733	7
			11.25	7.32	52610-0633	6
			10.25	6.32	52610-0533	5
F	(E)	C	(B)	(A)	ENG. NO.	圖號 CKT.

SEE SHEET 1 OF 3	EC NO: J2014-0352				2013/08/26		2013/08/27		2013/08/30		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION								
	DRAWN:NASANUMA CHK'D:KTAKAHASHI APPR:YNOGAWA				DESCRIPTION		10 UNDER		± ---		DRAWN BY DATE		TITLE		EMBOSS TAPE PACKAGED FOR 1.0 FPC CONN ZIF S/T HOUSING ASSY												
					10 OVER 30 UNDER		± ---		CHECKED BY DATE																		
					30 OVER		± ---		APPROVED BY DATE																		
					ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.																
A				REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE CHART		SD-52610-049						2 OF 3									
														THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

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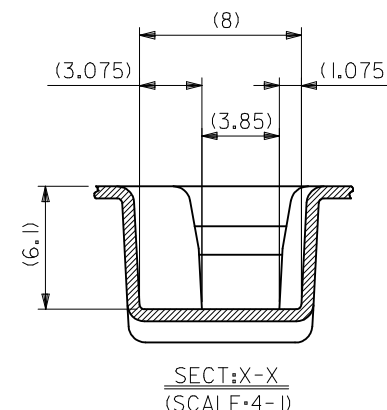
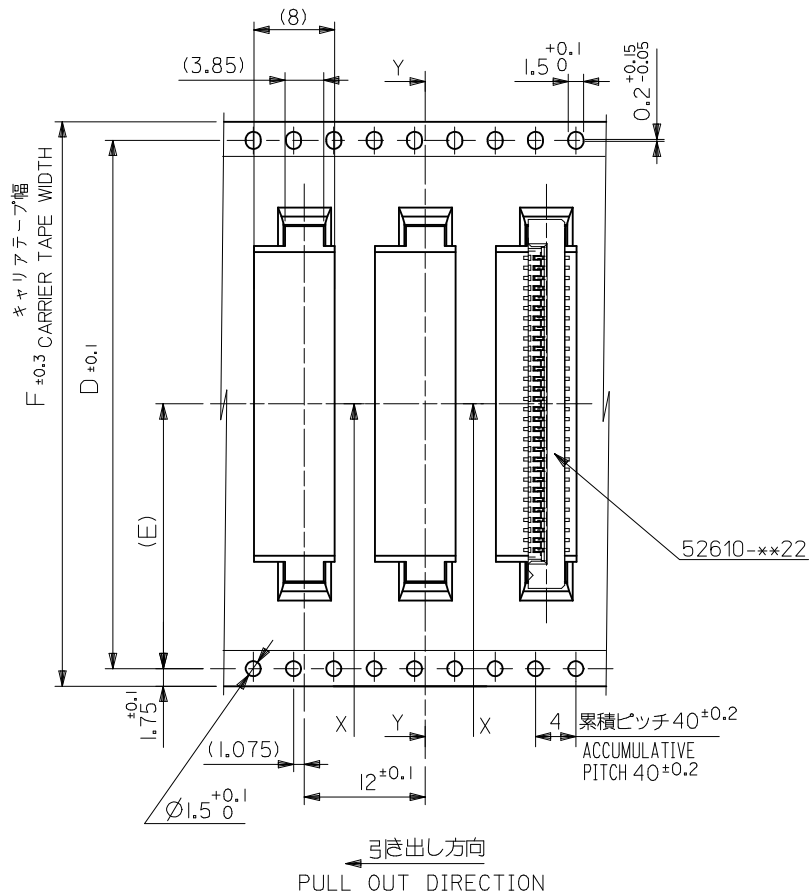
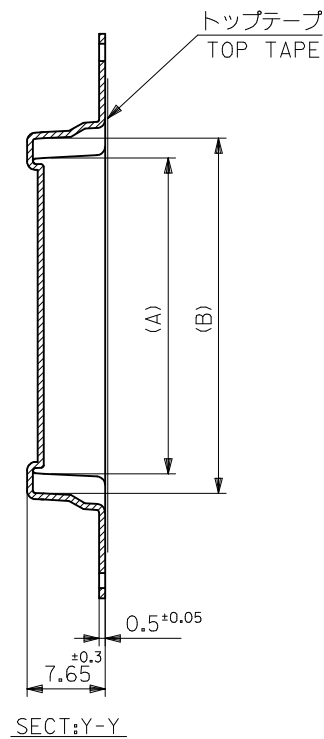
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56	26.2	52.4	57.5	35.25	31.32	52610-3033	30
				33.25	29.32	52610-2833	28
				31.25	27.32	52610-2633	26
				30.25	26.32	52610-2533	25
				29.25	25.32	52610-2433	24
				28.25	24.32	52610-2333	23
				27.25	23.32	52610-2233	22
44	20.2	40.4	46.5	26.25	22.32	52610-2133	21
				25.25	21.32	52610-2033	20
				24.25	20.32	52610-1933	19
				23.25	19.32	52610-1833	18
				22.25	18.32	52610-1733	17
				21.25	17.32	52610-1633	16
				20.25	16.32	52610-1533	15
				19.25	15.32	52610-1433	14
32	14.2	28.4	33.5	18.25	14.32	52610-1333	13
				17.25	13.32	52610-1233	12
				16.25	12.32	52610-1133	11
F	(E)	D	C	(B)	(A)	ENG. NO.	極数 CKT.

SEE SHEET 1 OF 3 EC NO: J2014-0352 DRWN:NASUNUMA 2013/08/26 CHKD:KTAKAHASHI 2013/08/27 APPR:YNOGAWA 2013/08/30	DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	A	REV	10 UNDER	± ---	NASANUMA	2012/09/05	TITLE EMBOSSD TAPE PACKAGED FOR 1.0 FPC CONN ZIF S/T HOUSING ASSY molex				
			10 OVER 30 UNDER	± ---	CHECKED BY	DATE					
			30 OVER	± ---	APPROVED BY	DATE					
			ANGULAR ± --- °		MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO.		SHEET NO.				
					SD-52610-049		3 OF 3				

9 8 7 6 5 4 3 2