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Part Number: [0526103072](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, ZIF, Gold (Au) Contact Plating, 30 Circuits, Lead-free, High Barrier Packaging

Agency Certification

CSA LR19980
UL E29179

General

Product Family FFC/FPC Connectors
Series 52610
Overview ffc_fpc_smt
Product Name N/A

Physical

Circuits (Loaded) 30
Contact Position N/A
Durability (mating cycles max) 30
Entry Angle Vertical
Flammability 94V-0
Mated Height (in) 0.226 In
Mated Height (mm) 5.75 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PCB Locator No
PCB Retention None
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.039 In
Pitch - Mating Interface (mm) 1.00 mm
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 1A
Voltage - Maximum 125V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-52610-001, SPK-52610-003
Product Specification PS-52610-007, RPS-52610-048, RPS-52610-052, RPS-52610-053, RPS-52610-058, RPS-52610-061
Sales Drawing SD-52610-036, SD-52610-037

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

China RoHS



Not Reviewed

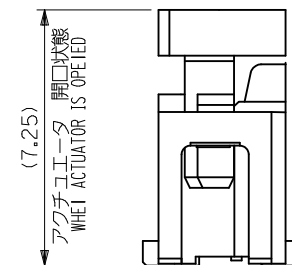
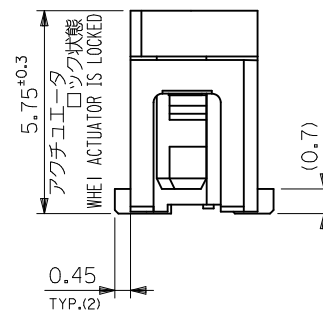
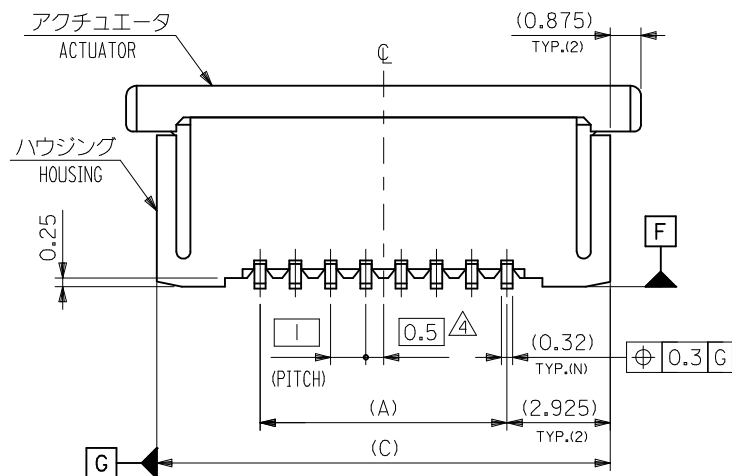
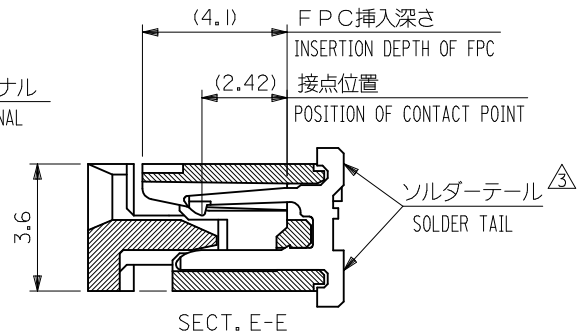
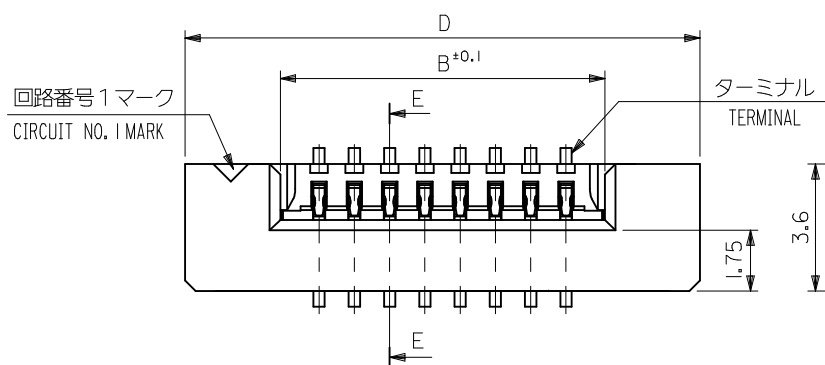
**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

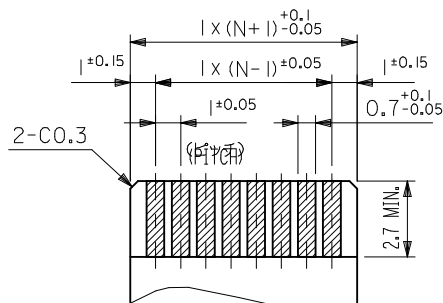
Please visit the [Contact Us](#) section for any
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Search Parts in this Series
[52610Series](#)

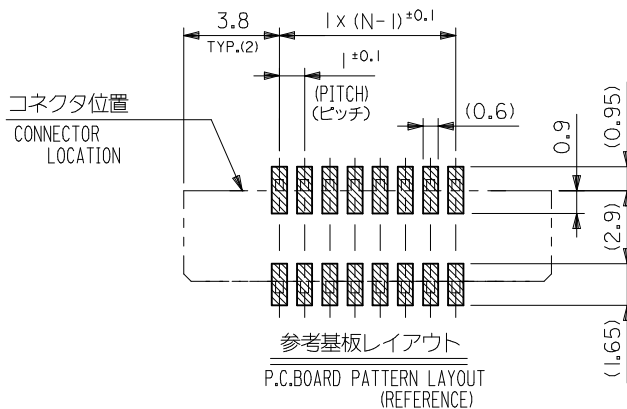
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REVISED EC NO: J2009-2316 DRWN: CARIZONO CHKD: T. HARUYAMA APPR: NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY M. NABEI	DATE '05/07/21	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.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE TABLE		SD-52610-036	
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 (t0.32)

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.

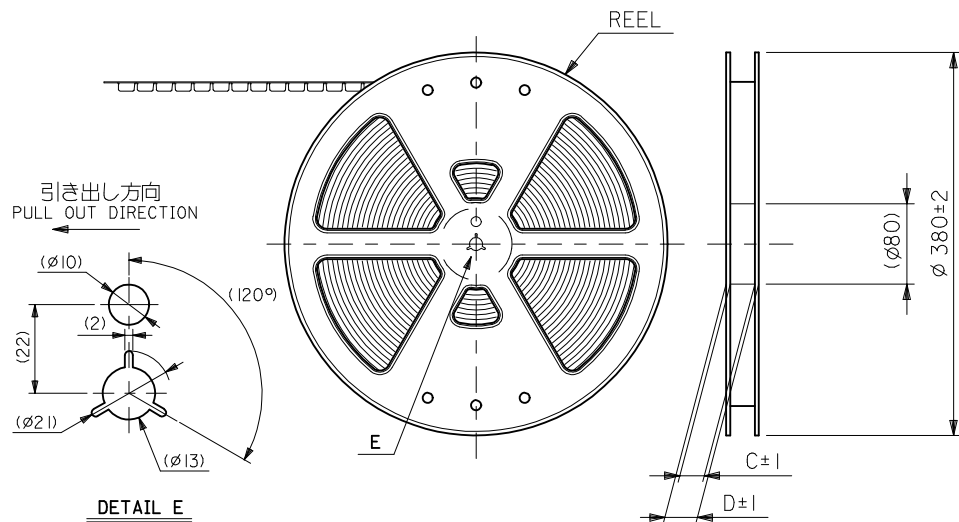
3. ソルダータール半田付け面のズレ量は、基準面 F に対し上方向 0.05 MAX.,
下方向 0.15 MAX. とする。
MISALIGNMENT OF SOLDER TAILS FROM F UPPER DIRECTION: 0.05 MAX.,
LOWER DIRECTION: 0.15 MAX.

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	52610-3077	52610-3072	52610-3015	30
32.6	30.85	27.2	25	52610-2677	52610-2672	52610-2615	26
31.6	29.85	26.2	24	52610-2577	52610-2572	52610-2515	25
30.6	28.85	25.2	23	52610-2477	52610-2472	52610-2415	24
28.6	26.85	23.2	21	52610-2277	52610-2272	52610-2215	22
26.6	24.85	21.2	19	52610-2077	52610-2072	52610-2015	20
24.6	22.85	19.2	17	52610-1877	52610-1872	52610-1815	18
23.6	21.85	18.2	16	52610-1777	52610-1772	52610-1715	17
22.6	20.85	17.2	15	52610-1677	52610-1672	52610-1615	16
21.6	19.85	16.2	14	52610-1577	52610-1572	52610-1515	15
20.6	18.85	15.2	13	52610-1477	52610-1472	52610-1415	14
19.6	17.85	14.2	12	52610-1377	52610-1372	52610-1315	13
18.6	16.85	13.2	11	52610-1277	52610-1272	52610-1215	12
17.6	15.85	12.2	10	52610-1177	52610-1172	52610-1115	11
16.6	14.85	11.2	9	52610-1077	52610-1072	52610-1015	10
15.6	13.85	10.2	8	52610-0977	52610-0972	52610-0915	9
14.6	12.85	9.2	7	52610-0877	52610-0872	52610-0815	8
12.6	10.85	7.2	5	52610-0677	52610-0672	52610-0615	6
11.6	9.85	6.2	4	52610-0577	52610-0572	52610-0515	5

52610-**-15		D	(C)	B	(A)	EMBOSSSED TAPE (HIGH BARRIER PKG)		EMBOSSSED TAPE		MATERIAL. NO.		極数 CKT.
MODEL NO.						ORDER No. オーダー番号						
REVISED EC NO: J2009-2316 DRAWN: CARIZONO CHKD: T. HARIYAMA APPR: NUKITA REV	DESCRIPTION 2009/04/20 2009/04/20 2009/04/21	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.			SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE			SD-52610-036		
							SIZE A3			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



NOTES

- 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.

REVISED EC NO: J2009-2061 2009/05/20 DRWN:TKN CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		10 UNDER ±0.2	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.					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-037		1 OF 5	
	REV			SIZE A3	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

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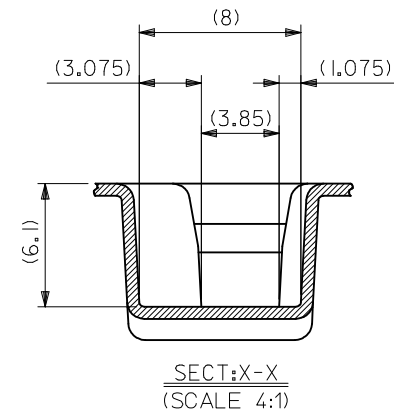
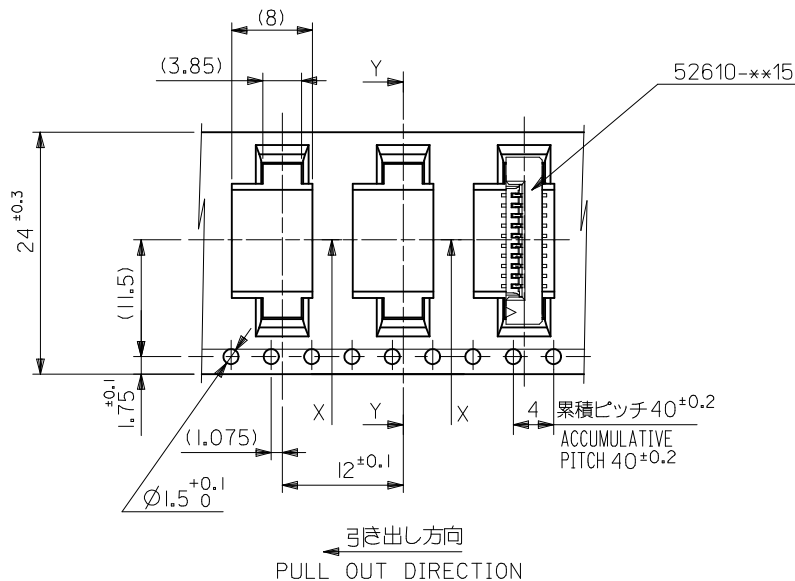
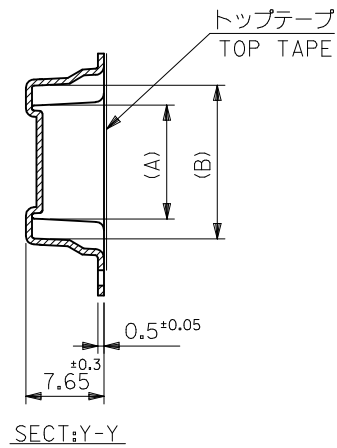
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52610-**72
MODEL NO.

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
			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.

REVISED EC NO: J2009-2061 DRWN:TKON CHKD:HMATSUMOTO APPR:NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		ANGULAR ±3 °		MATERIAL NO.			DOCUMENT NO.			SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE			SD-52610-037			2 OF 5
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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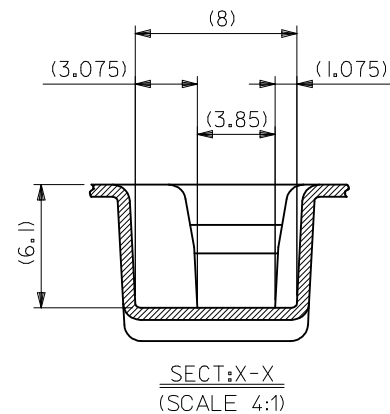
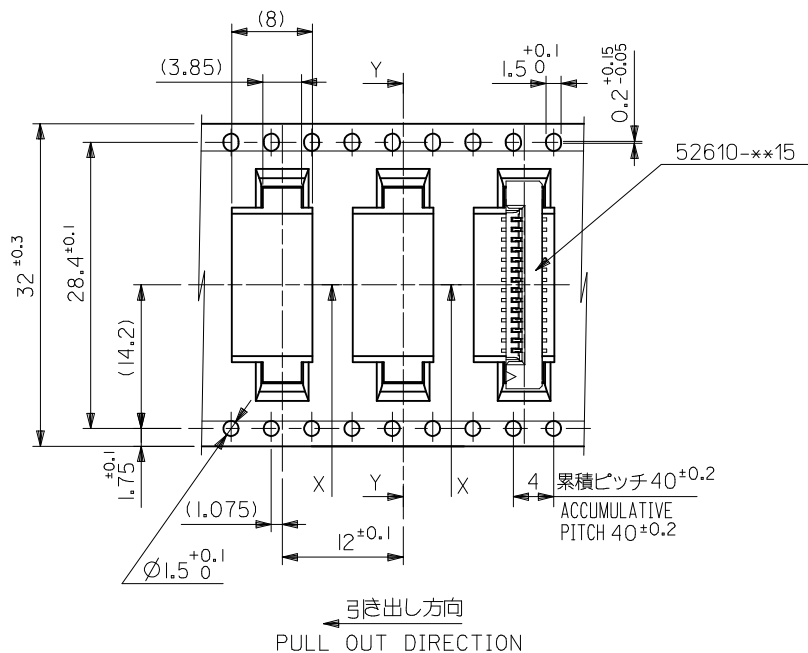
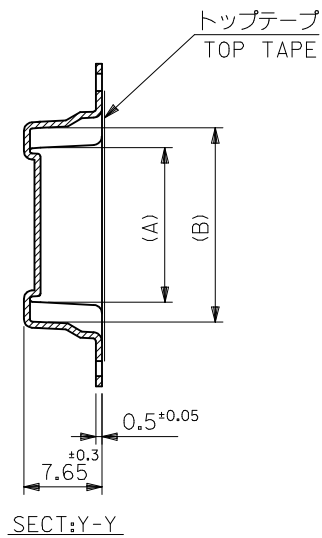
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52610-**72
MODEL NO.

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.

REVISED EC NO: J2009-2061 DRWN:TKON CHKD:HMATSUMOTO APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-037		3 OF 5		
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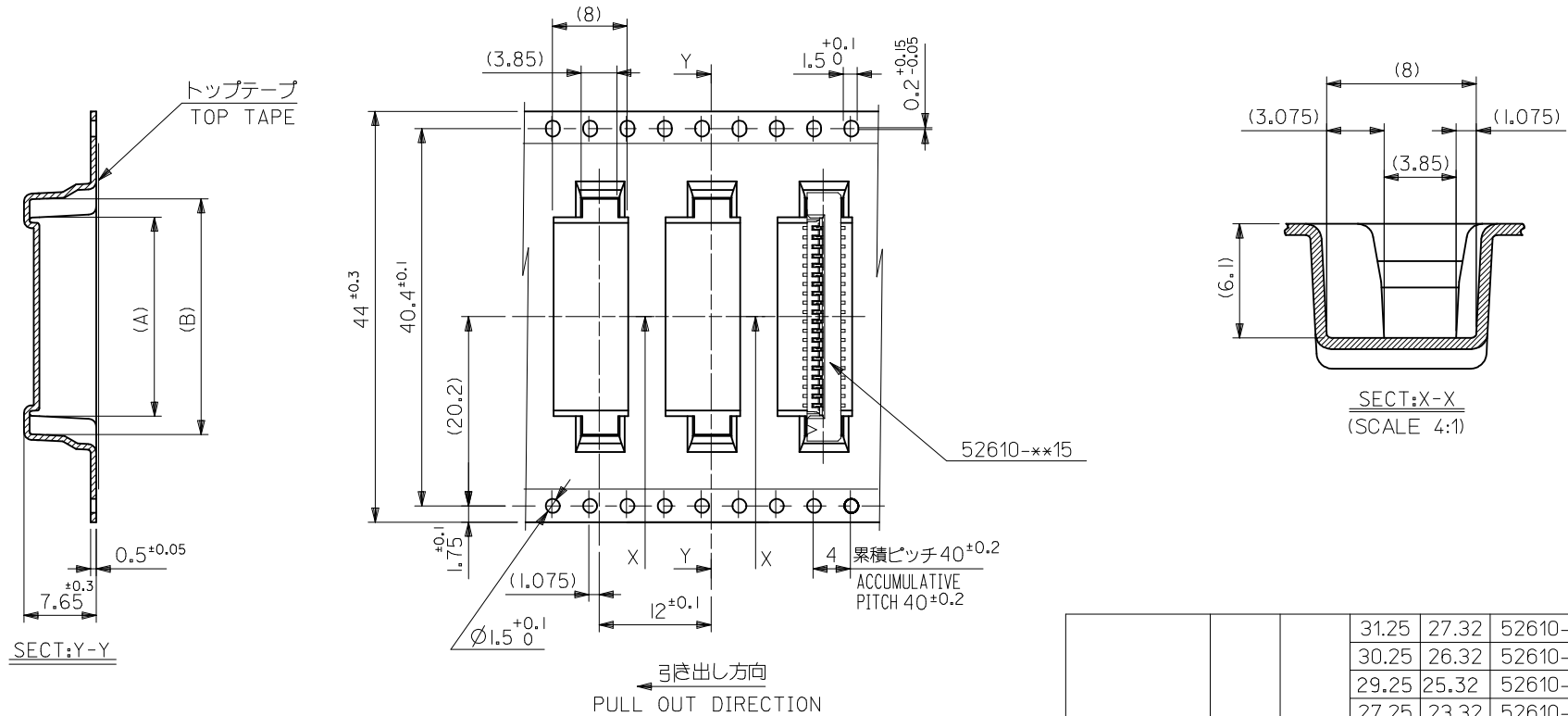
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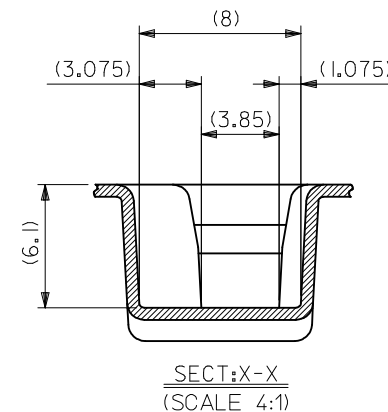
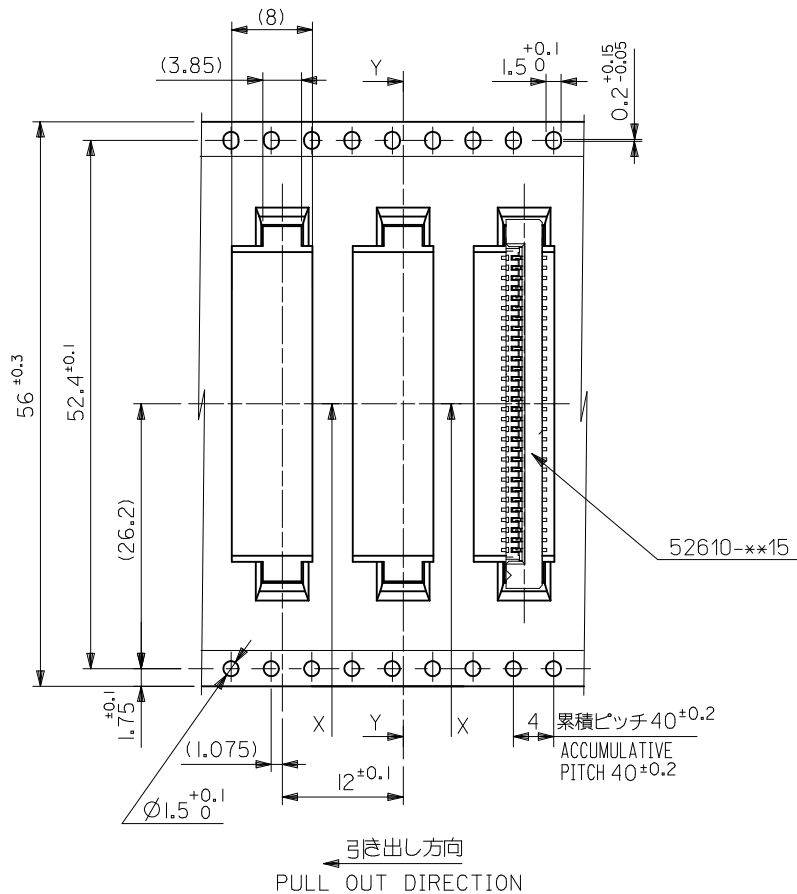
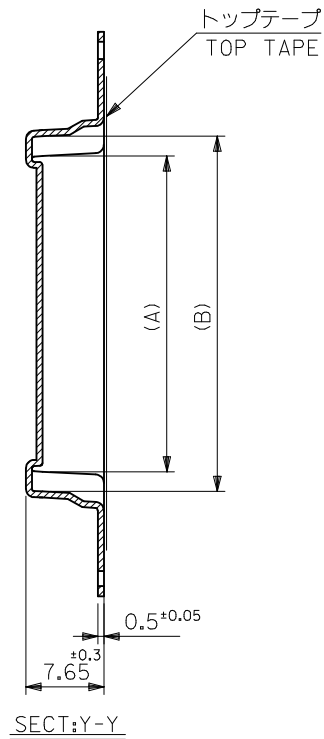
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REVISED		EC NO: J2009-2061		2009/05/20		DRWN:TKON		2009/05/21		CHKD:HMATSUMOTO		2009/05/21		APPR:NUKITA		2009/05/21		REV		DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		10 UNDER		± 0.2		10 OVER 30 UNDER		± 0.25		30 OVER		± 0.3		ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		52610-***72		MODEL NO.		キャリアテープ幅		CARRIER TAPE WIDTH		D		C		(B)		(A)		MATERIAL. NO.		極数		CKT.		THIRD ANGLE PROJECTION		1.0 FPC CONN SMT ZIF EMBOSTP PKG -LEAD FREE-		MOLEX INCORPORATED		SD-52610-037		4 OF 5		SHEET NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SEE TABLE		MATERIAL NO.		DOCUMENT NO.		SCALE ---		DESIGN UNITS METRIC		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		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		EN-02JA(021)	
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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.

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		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-037		5 OF 5		
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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