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Part Number: [0526101072](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, ZIF, Gold (Au) Contact Plating, 10 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) 10
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
Contains SVHC: No
Halogen-Free
Status

China RoHS



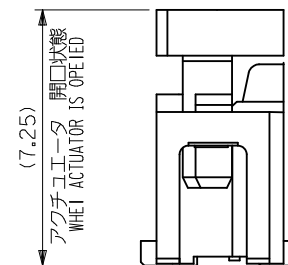
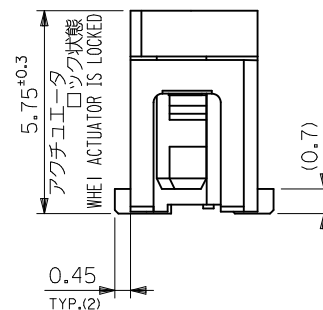
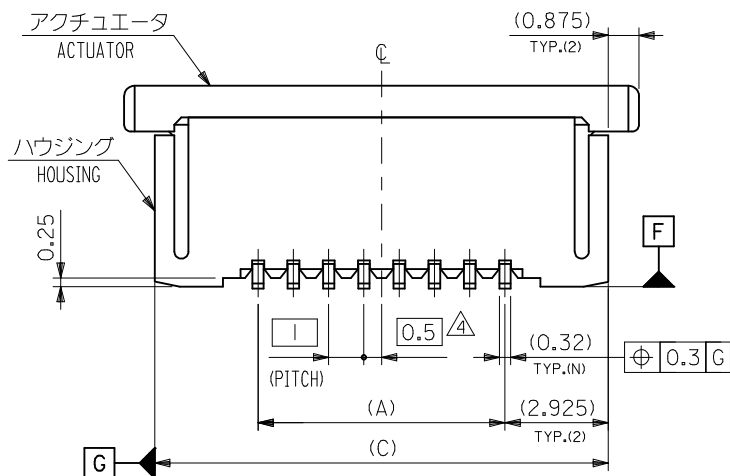
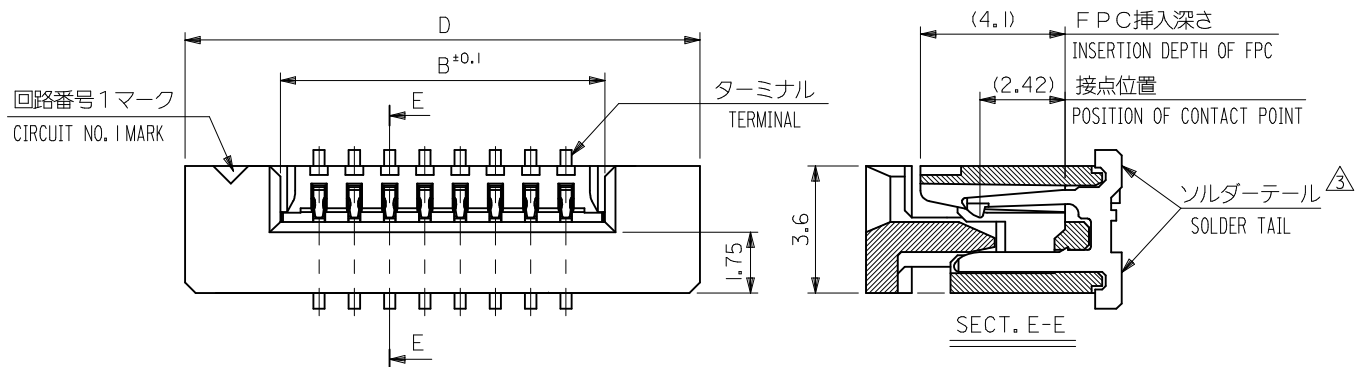
Not Reviewed
Need more information on product environmental compliance?

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

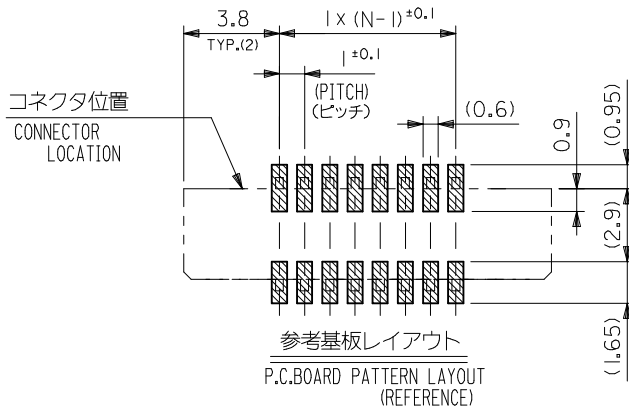
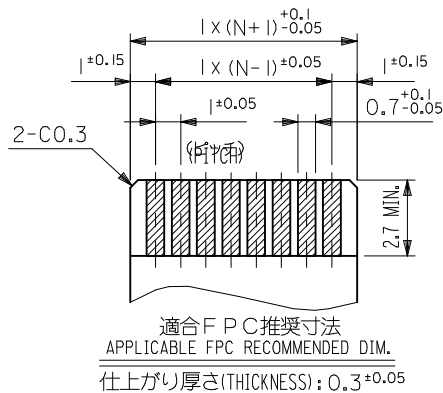
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Search Parts in this Series
[52610Series](#)

10 9 8 7 6 5 4 3 2 1



REVISED EC NO.: J2009-2316 DRAWN: CARIZONO 2009/04/20 CHKD: T. HARUYAMA 2009/04/20 APPR: NUKITA 2009/04/21	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.					
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-036		1 OF 2	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



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 (tO. 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)		EMBOSSED TAPE (HIGH BARRIER PKG)		EMBOSSED TAPE		MATERIAL. NO.		極数 CKT.	
MODEL NO.		ORDER No. オーダー番号															
REVISED EC NO: J2009-2316 DRWN: CARIZONO 2009/04/20 CHKD: T. HARIYAMA 2009/04/20 APPR: NUKITA 2009/04/21	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-52610-036				2 OF 2	
		SIZE A3														THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

F

F

E

E

D

1

C

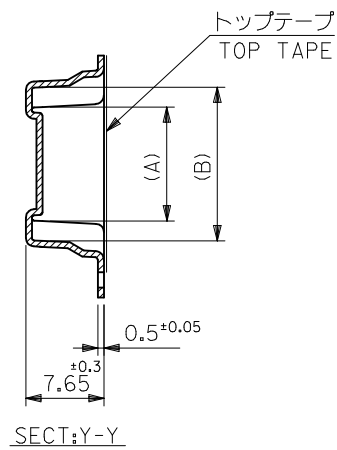
C

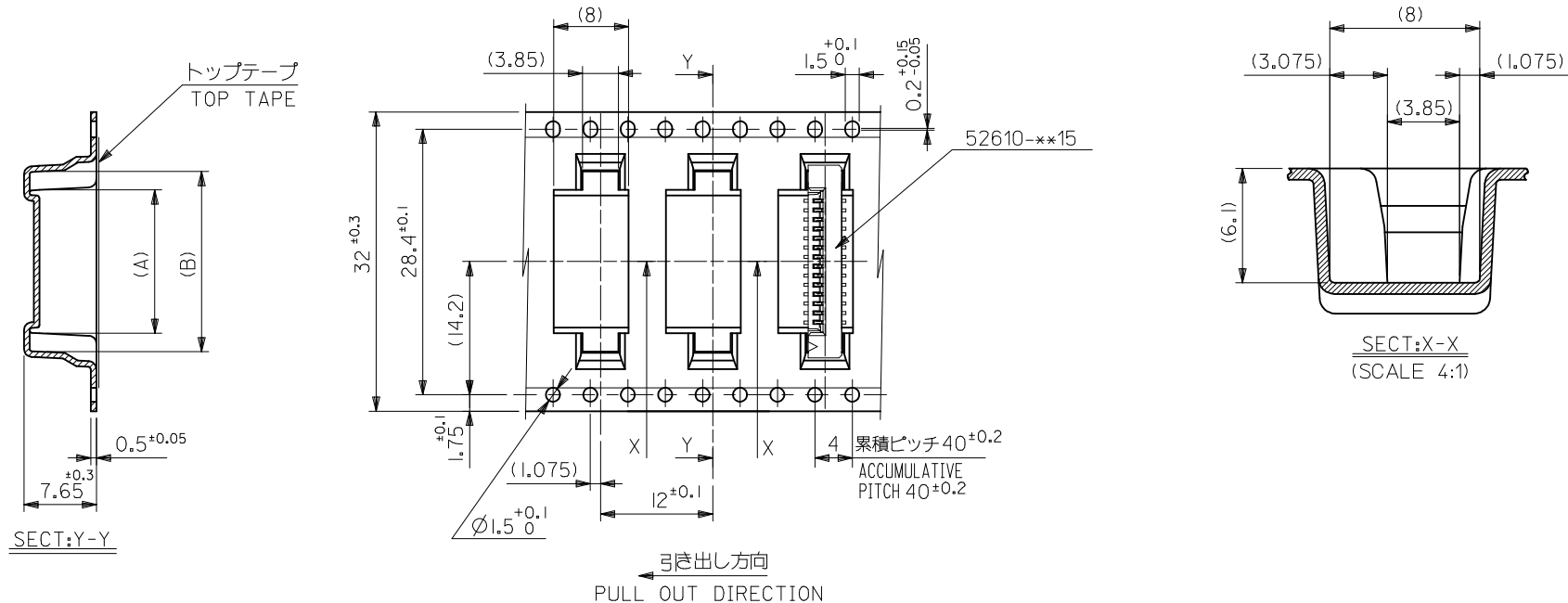
B

B

A

A

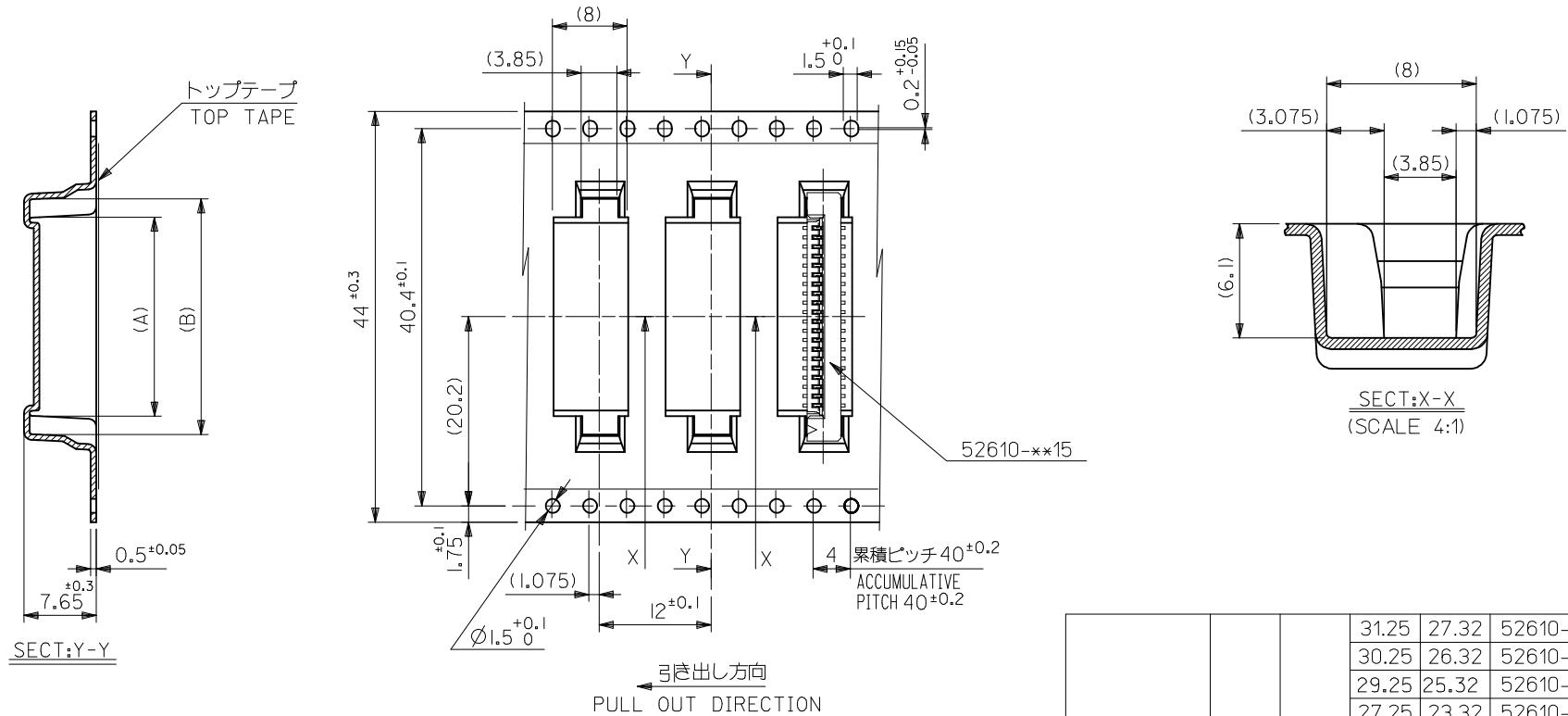




52610-**72
MODEL NO.

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 2009/05/20 2009/05/21 2009/05/21	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 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		3 OF 5		
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



52610-**-72
MODEL NO.

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
			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.

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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