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Part Number: [0526101772](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, ZIF, Gold (Au) Contact Plating, 17 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) 17
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-52610-052, 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

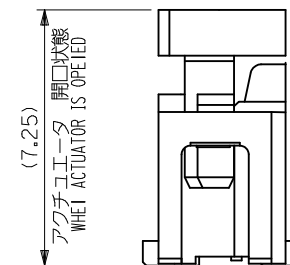
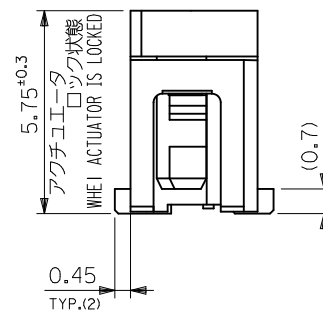
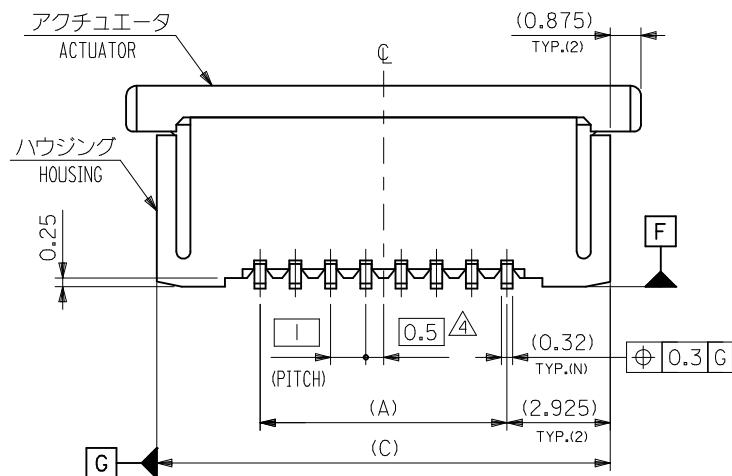
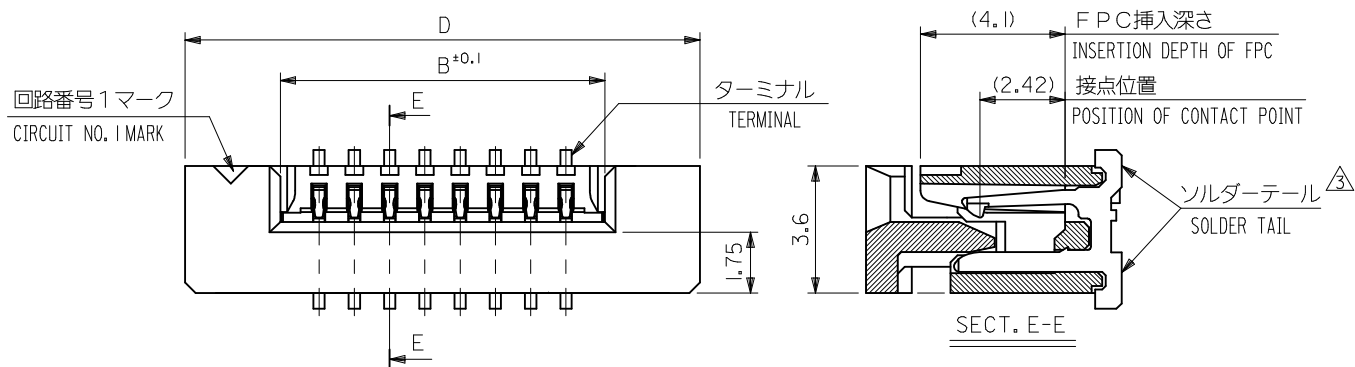
**Need more information on product
environmental compliance?**

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

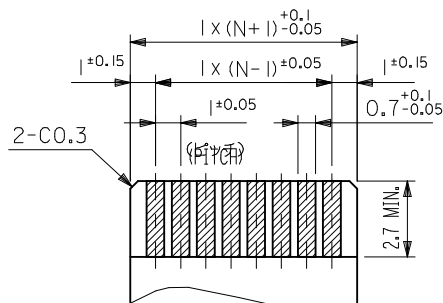
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Search Parts in this Series
[52610Series](#)

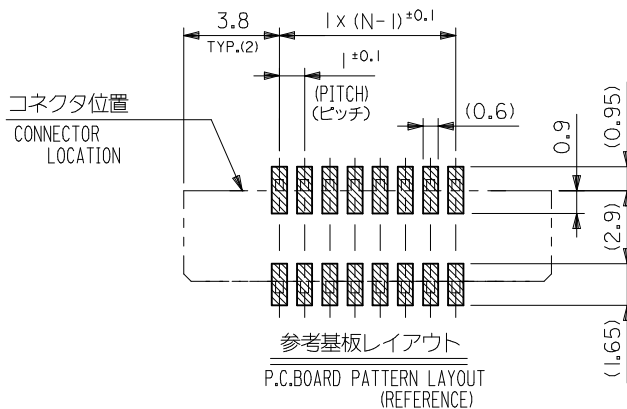
10 9 8 7 6 5 4 3 2 1



REVISED EC NO: J2009-2316 DRWN: CARIZONO 2009/04/20 CHKD: T. HARYAMA 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. SEE TABLE					
	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				



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
MODEL NO.

D	(C)	B	(A)	EMBOSSSED TAPE (HIGH BARRIER PKG)	EMBOSSSED TAPE	MATERIAL. NO.	極数 CKT.
				ORDER No. オーダー番号			

REVISED	EC NO: J2009-2316	2009/04/20
DRWN: CARIZONO	2009/04/20	
CHKD: T. HARIYAMA	2009/04/20	
APPR: NUKITA	2009/04/21	
REV		

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	DATE
M. NABEI	'05/07/21
CHECKED BY	DATE
K. TOYODA	'05/07/21
APPROVED BY	DATE
N. UKITA	'05/07/21
MATERIAL NO.	
SIZE	
A3	

SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE 1.0 FPC CONN ZIF FOR SMT ST -LEAD FREE-		
molex MOLEX INCORPORATED		
DOCUMENT NO. SD-52610-036		SHEET NO. 2 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

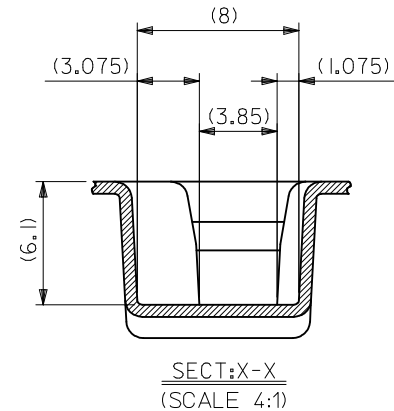
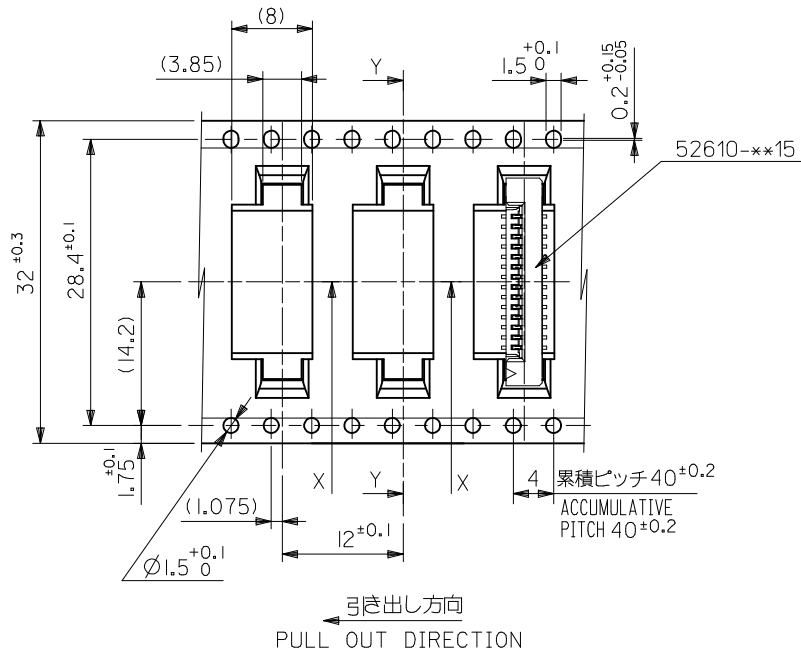
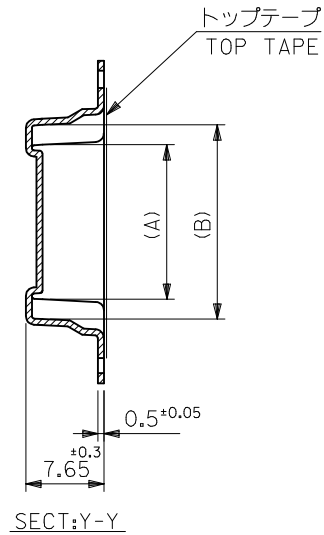
E

D

C

B

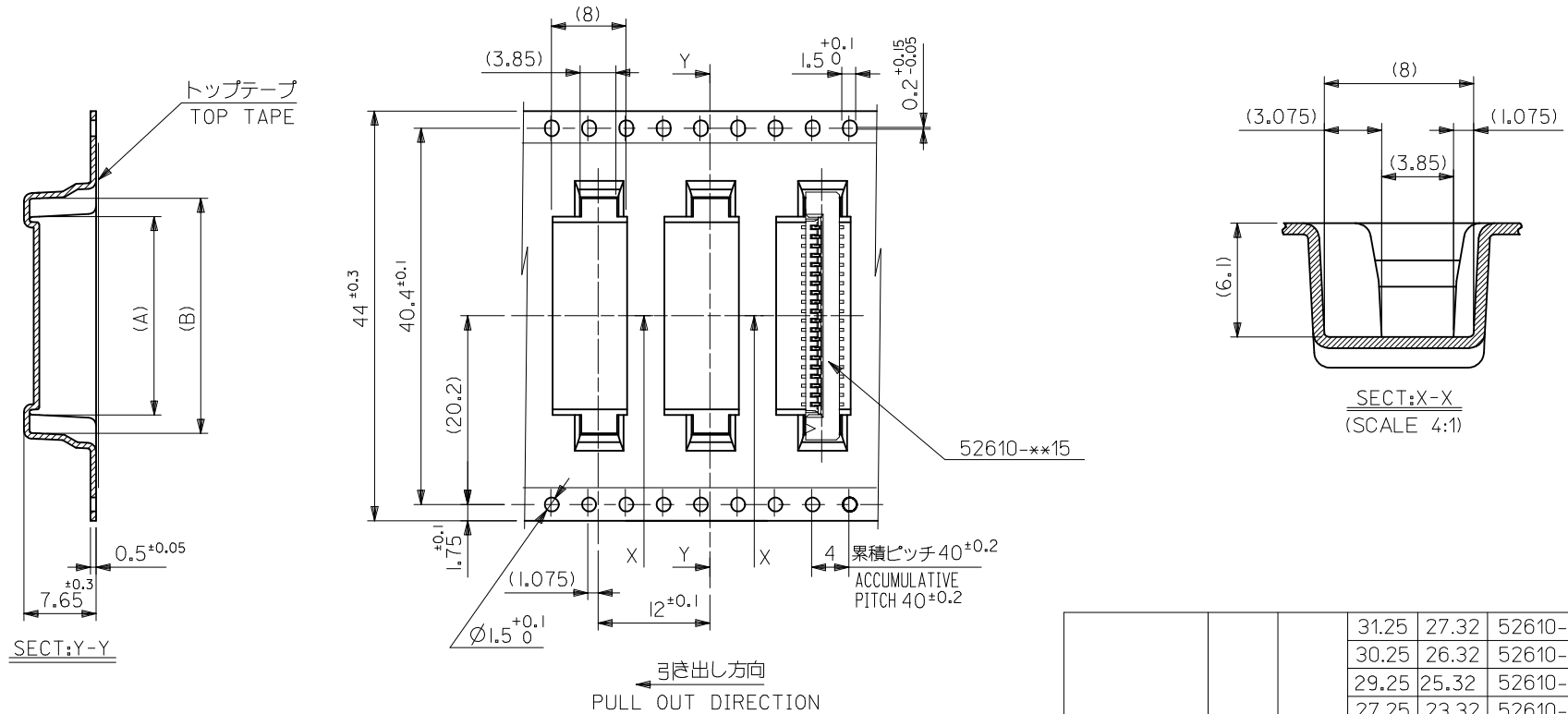
A



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.

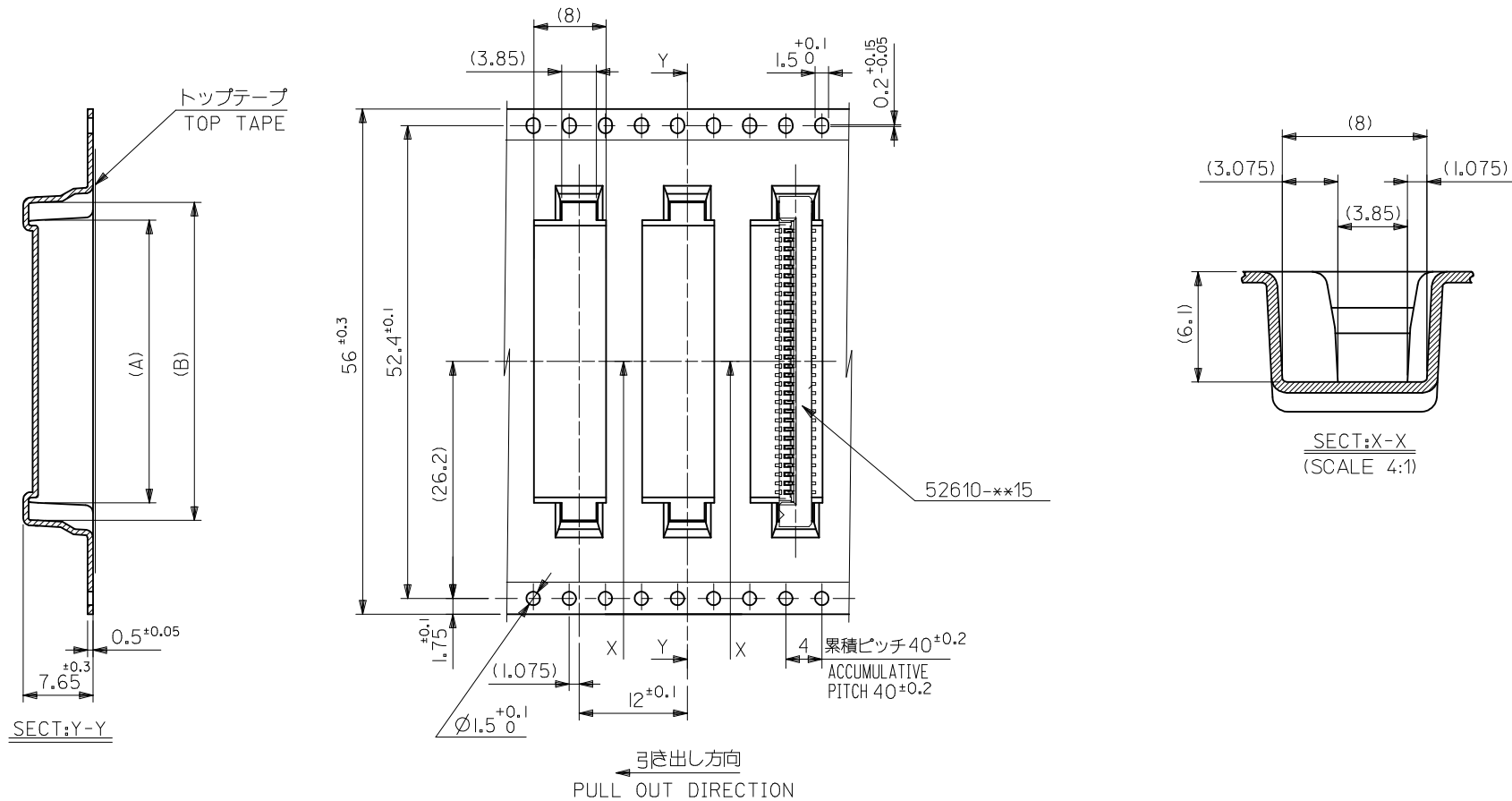
REVISED EC NO: J2009-2061 DRWN:TKON CHKD:HMATSUMOTO APPR:NUKITA 2009/05/20 2009/05/21 2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NABEI	DATE '05/07/21	TITLE 1.0 FPC CONN SMT 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.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-037			3 OF 5	
	REV	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 REV	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 SMT ZIF EMBOSTP PKG -LEAD FREE-					
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE						
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.	DOCUMENT NO.						SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-037				4 OF 5	
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



		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.: J2009-2061 DRWN:TKON CHKD:HMATSUMOTO APPR:NUKITA 2009/05/20 2009/05/21 2009/05/21		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 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				5 OF 5					
		REV		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											