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Part Number:

0526100972

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, ZIF, Gold (Au) Contact Plating, 9 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)	9
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-52610-053, 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

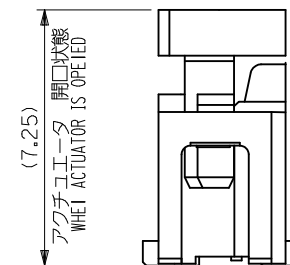
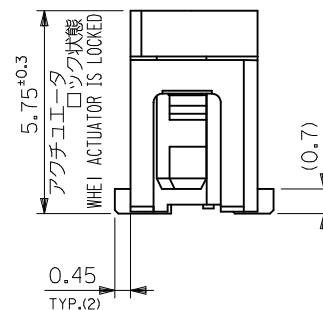
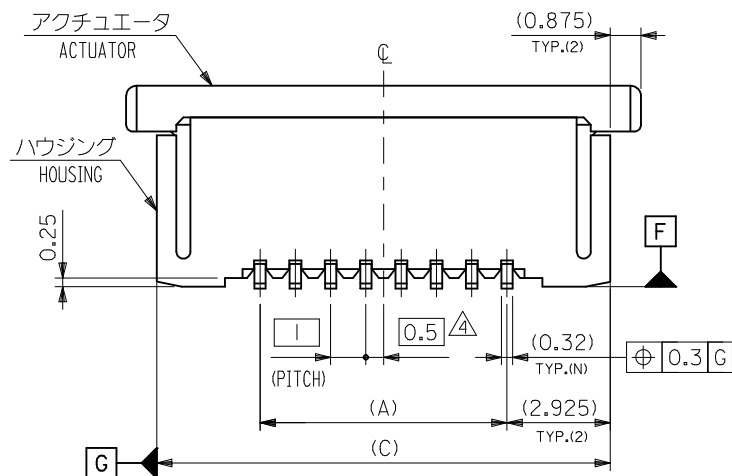
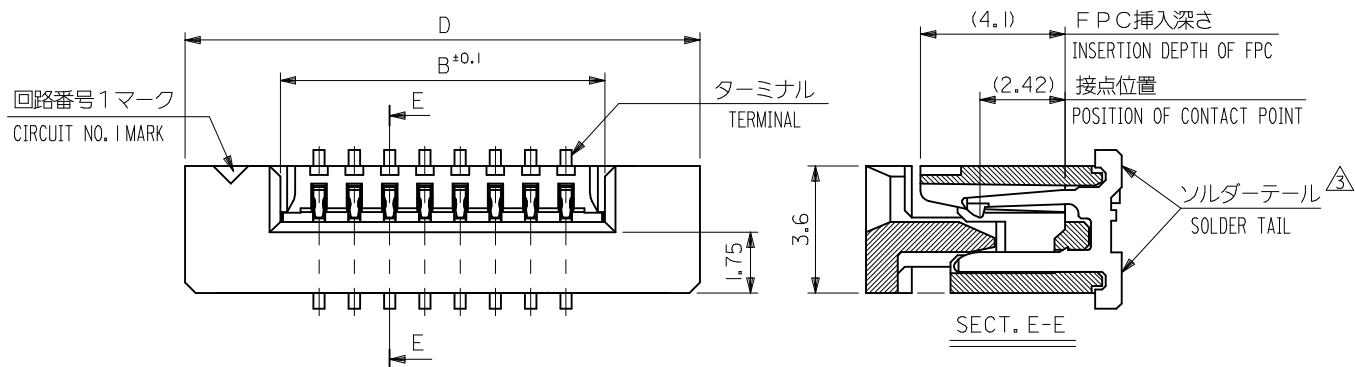
Need more information on product
environmental compliance?

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

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
52610Series

10 9 8 7 6 5 4 3 2 1

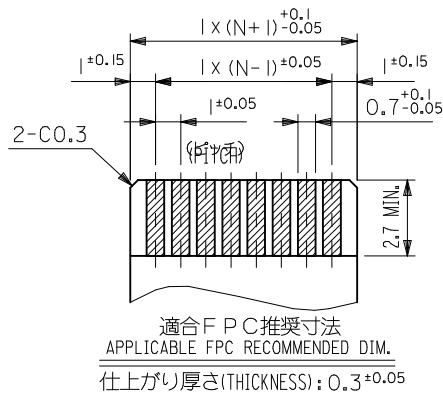


REVISED
EC NO: J2009-2316
DRWN: CARIZONO 2009/04/20
CHKD: T. HIRUYAMA 2009/04/20
APPR: NUKITA 2009/04/21

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.	
SEE TABLE	
SIZE	A3

52610-**-15	MODEL NO.
DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
1.0 FPC CONN ZIF FOR SMT ST -LEAD FREE-	
MOLEX INCORPORATED	
DOCUMENT NO. SD-52610-036	SHEET NO. 1 OF 2
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)

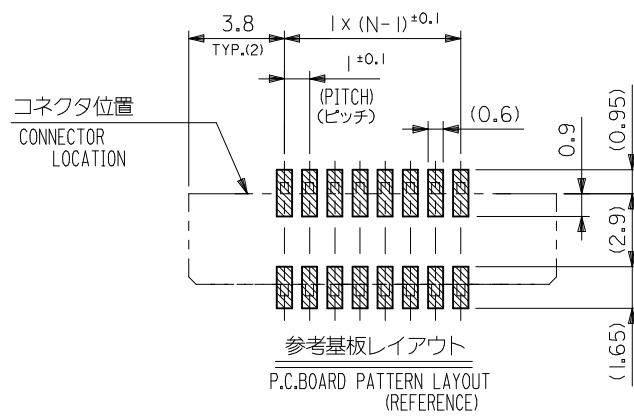
ハウジング (HOUSING): 46NYLON, UL94V-0
アクチュエータ (ACTUATOR): PPS, UL94V-0
ターミナル (TERMINAL): リン青銅 (tO.32)
PHOS-BRO
接点部: 金メッキ 0.1μm 以上
テール部: 錫メッキ 1μm 以上
下地: ニッケルメッキ 1μm 以上
CONTACT: GOLD 0.1 MICROMETER MINIMUM
TAIL: MATTE TIN 1 MICROMETER MINIMUM
NICKEL: UNDER 1 MICROMETER MINIMUM

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.

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.



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.

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

THIRD ANGLE PROJECTION
1.0 FPC CONN ZIF FOR SMT ST -LEAD FREE-
MOLEX INCORPORATED
DOCUMENT NO. SD-52610-036
SHEET NO. 2 OF 2

ORDER No. オーダー番号
EMBOSSED TAPE (HIGH BARRIER PKG)
EMBOSSED TAPE
MATERIAL. NO.
極数 CKT.

10

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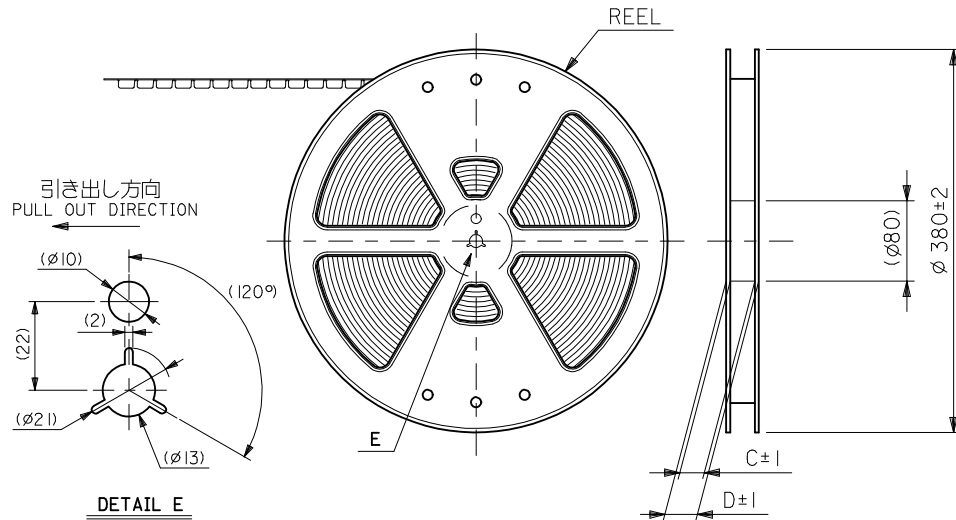
3

2

1

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)
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	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. 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				

9

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10 9 8 7 6 5 4 3 2 1

F

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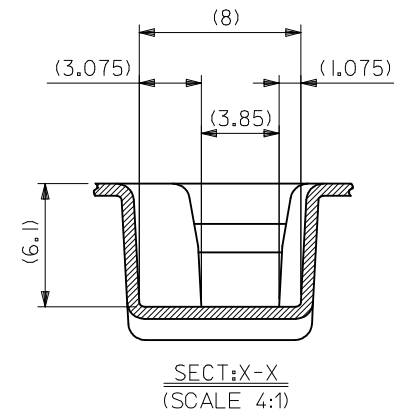
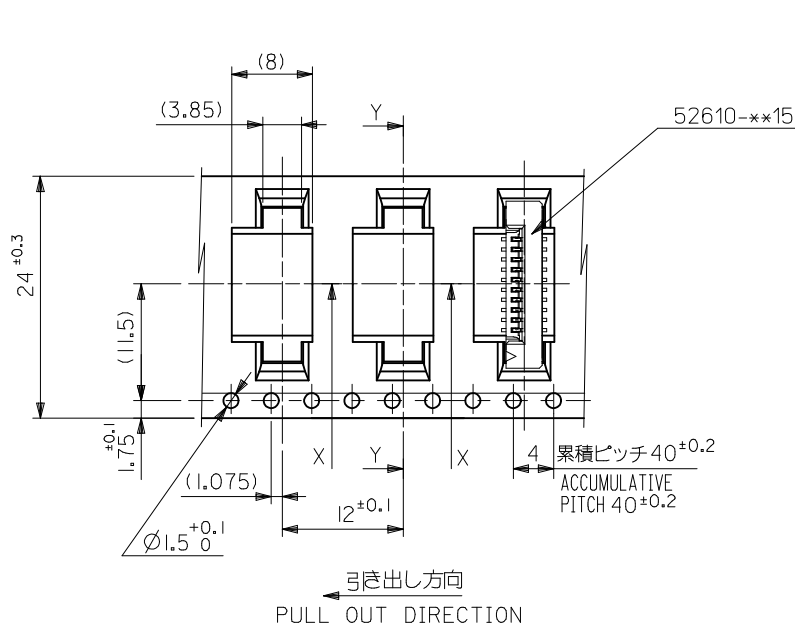
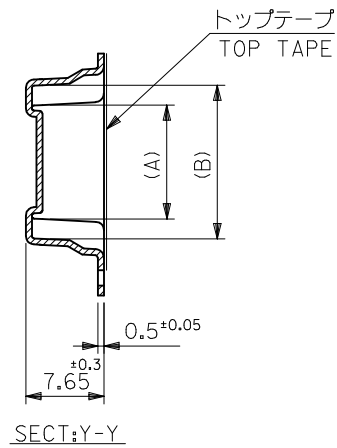
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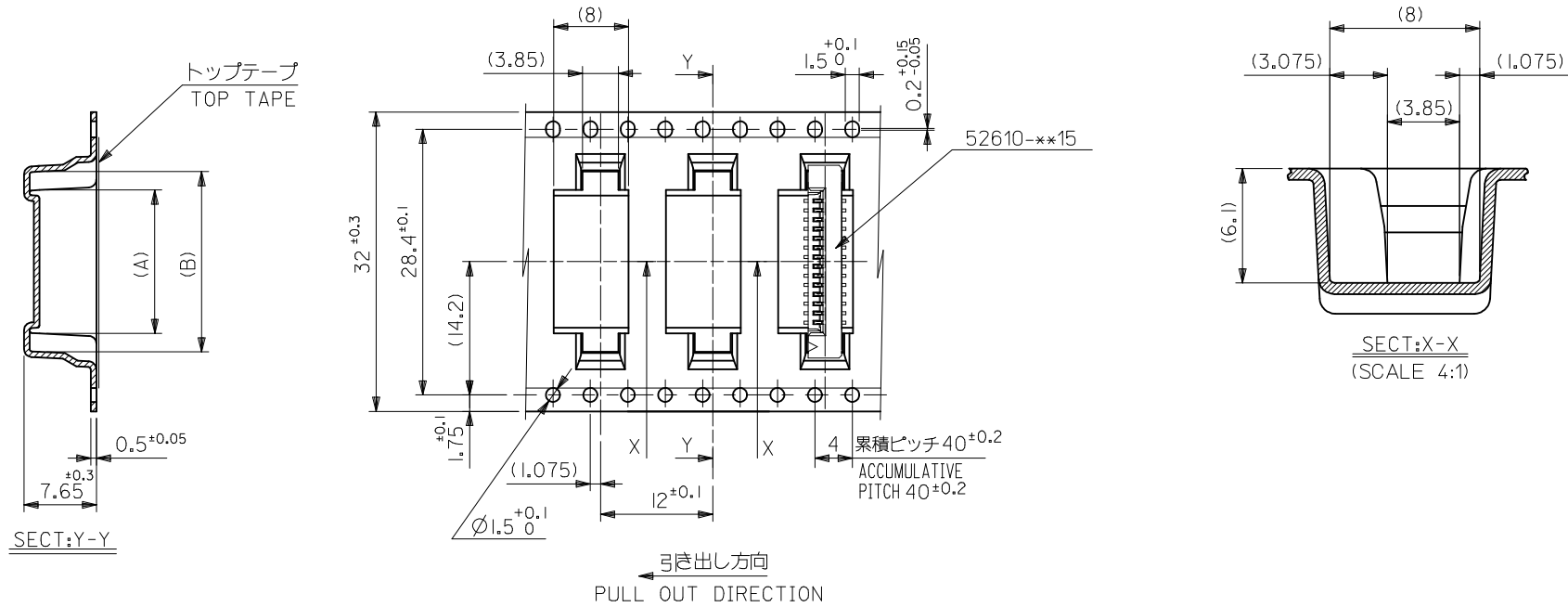
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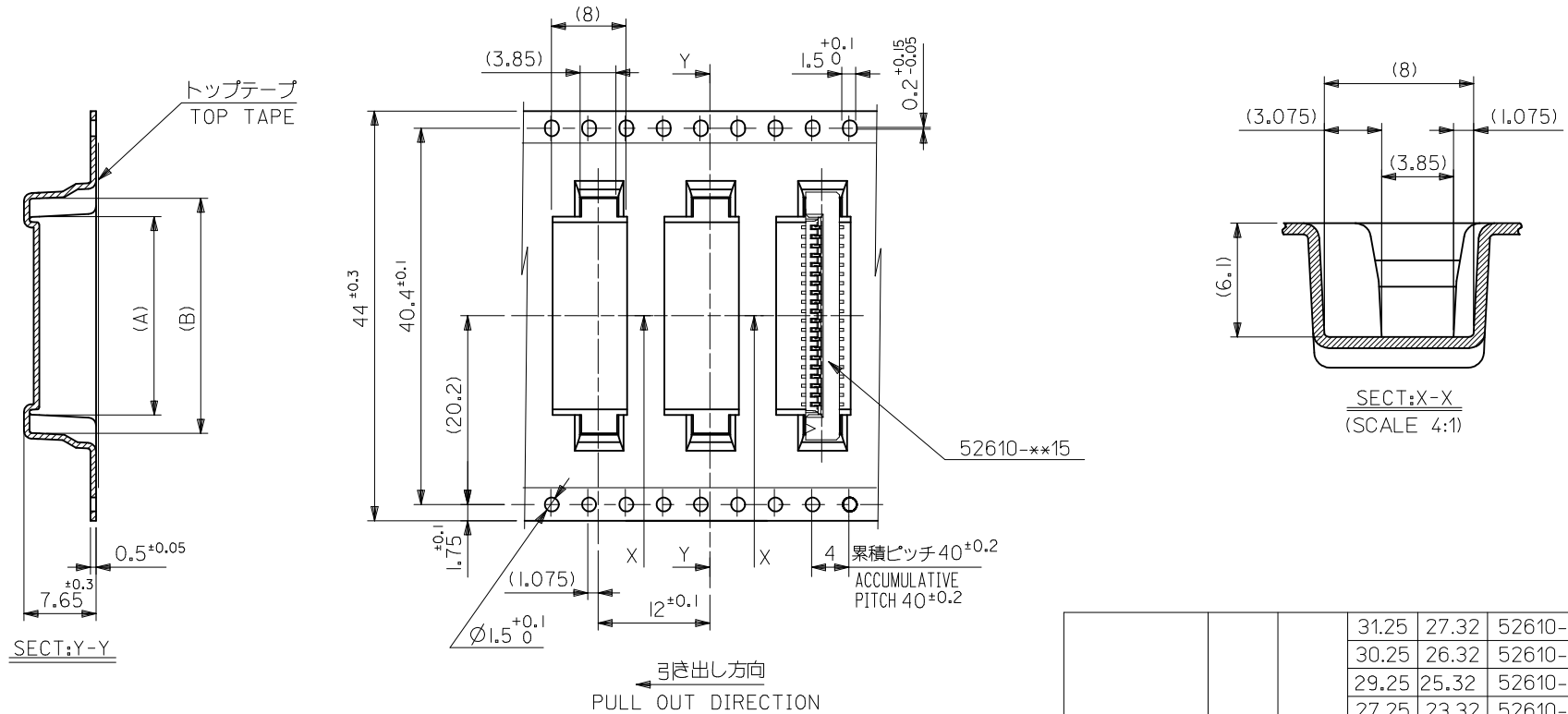
52610-**-72
MODEL NO.

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		
		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			2 OF 5
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



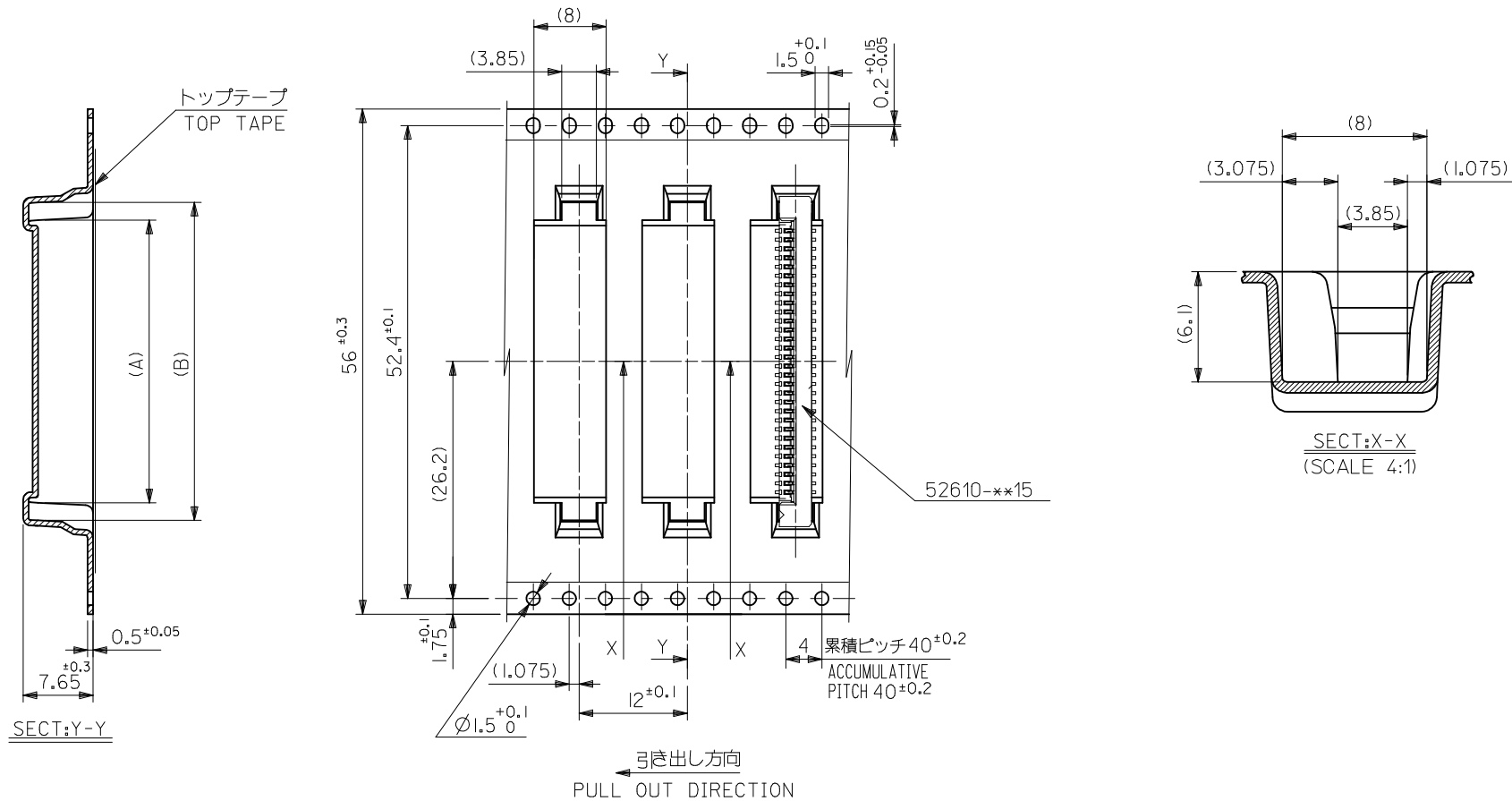
REVISED EC NO: J2009-2061 DRWN:TKON CHKD:HMATSUMOTO APPR:NUKITA 2009/05/20 2009/05/21 2009/05/21										GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY				SCALE ---		DESIGN UNITS METRIC		 THIRD ANGLE PROJECTION		52610-**-72		32		37.4		33.4		20.25		16.32		52610-1572		15	
																														19.25		15.32		52610-1472		14	
																														18.25		14.32		52610-1372		13	
																														17.25		13.32		52610-1272		12	
										MODEL NO.		キャリアテープ幅 CARRIER TAPE WIDTH				D		C		(B)		(A)		MATERIAL NO.		極致 CKT.		16.25		12.32		52610-1172		11			
DESCRIPTION		10 UNDER		±0.2		DRAWN BY M. NABEI		DATE '05/07/21		TITLE 1.0 FPC CONN SMT ZIF EMBSTP PKG -LEAD FREE- MOLEX INCORPORATED		SD-52610-037		SHEET NO. 3 OF 5		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
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																															
ANGULAR		±3 °		MATERIAL NO.		DOCUMENT NO.																															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE A3																																	



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		
		10 UNDER	±0.2	DRAWN BY M.NABEI	DATE '05/07/21	TITLE 1.0 FPC CONN SMT ZIF EMBOSTP 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 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			
	REV			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:TKN 2009/05/20 CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 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-		MOLEX INCORPORATED		SHEET NO. 5 OF 5	
	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	DOCUMENT NO. SD-52610-037					
REV	ANGULAR ± 3 °		MATERIAL NO.		SEE TABLE					
	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					