

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0526103071

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, ZIF Receptacle, 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

Tin-Bismuth

Material - Plating Termination

Tin-Bismuth

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

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-52610-001, SPK-52610-003

Product Specification

PS-52610-006, RPS-52610-001, RPS-52610-002, RPS-52610-004, RPS-52610-026, RPS-52610-027, RPS-52610-028, RPS-52610-031, RPS-52610-034, RPS-52610-037, RPS-52610-038, RPS-52610-040, RPS-52610-041, RPS-52610-043, RPS-52610-044, RPS-52610-046, RPS-52610-049, RPS-52610-050, RPS-52610-057, RPS-52610-058, RPS-52610-059, RPS-52610-062

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

China RoHS



Not Halogen-Free

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

This document was generated on 06/05/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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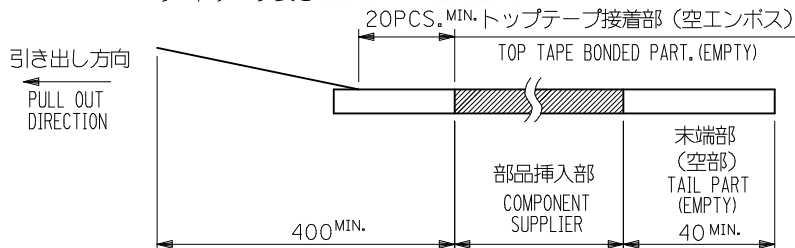
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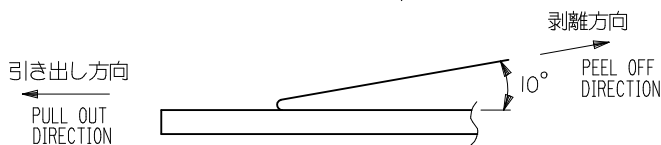
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NOTES

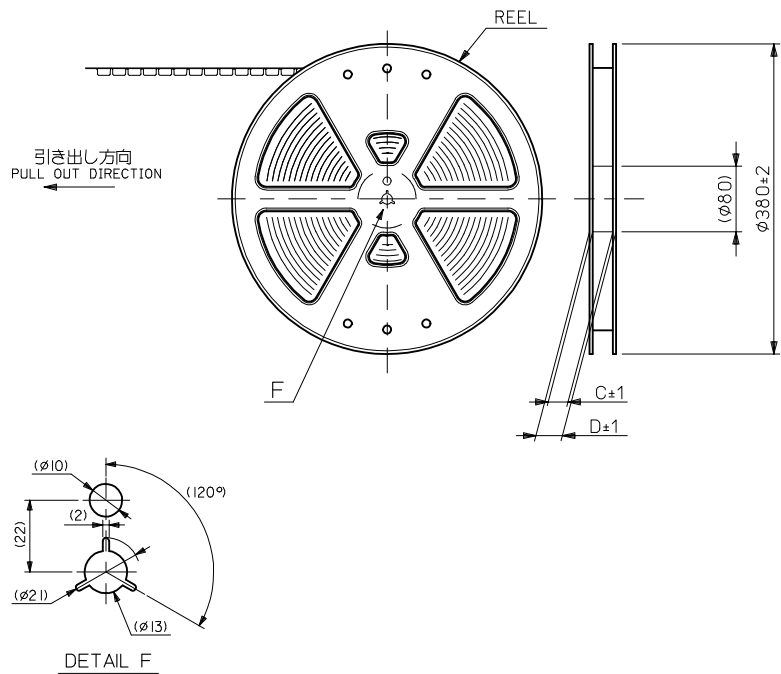
1. 梱包数量：1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
2. リードテープ長さ LEAD TAPE LENGTH



3. トップテープの剥離強度：0.1~1.3N (10gf~130gf) (剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1~1.3N (10gf~130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



4. 52610-***16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 製品単体図面を参照下さい。
ACTUATOR OF PART NO. 52610-***16 SHULD BE LOCKED.
RE DETAILED DIMENSIONS , SEE SALES DRAWING FOR CONNECTOR.
5. 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>
POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>
6. 本製品は 52610-***90 の鉛フリー品です
7. 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 REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY T. UENO	DATE '03/12/12	TITLE 1.0 FPC CONN SMT ZIF EMBSTP PKG -LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO	DATE '03/12/12				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE '03/12/12	 MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-038		1 OF 5	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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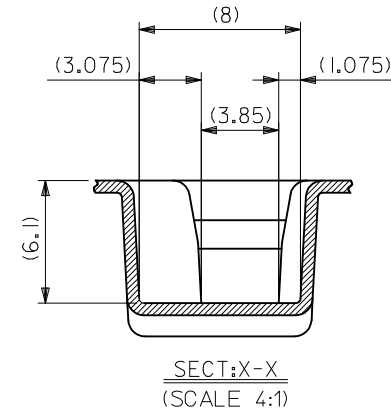
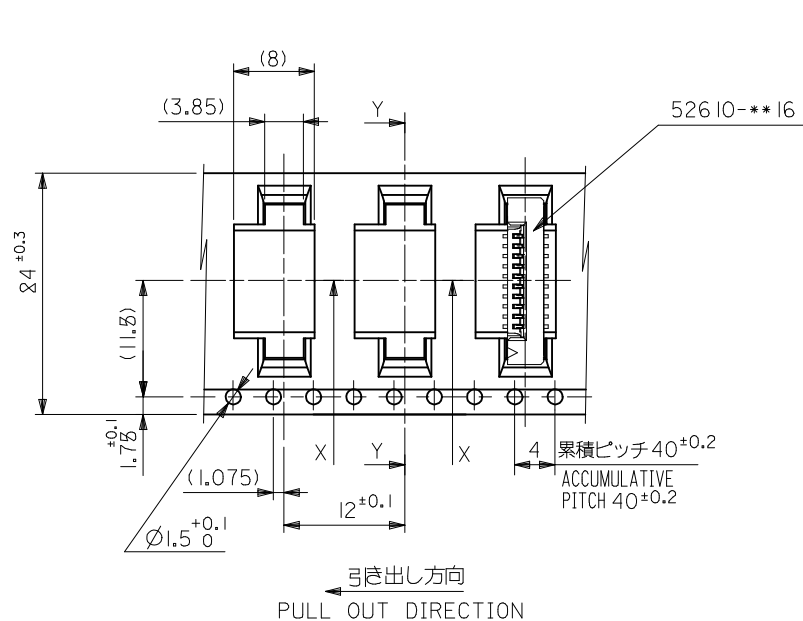
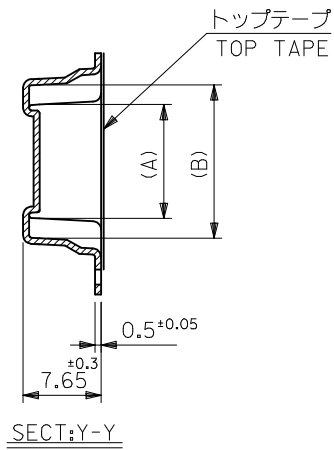
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2

EN-02JA(021)



24	29.4	25.4	15.25	11.32	52610-1071	10
			14.25	10.32	52610-0971	9
			13.25	9.32	52610-0871	8
			12.25	8.32	52610-0771	7
			11.25	7.32	52610-0671	6
			10.25	6.32	52610-0571	5
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT.
			52610-**71		MODEL NO.	

REVISED EC NO: J2009-2061 DRWN:TKON 2009/05/20 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		
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		10 OVER 30 UNDER	±0.25	CHECKED BY M.SASAO	DATE '03/12/12					
		30 OVER	±0.3	APPROVED BY M.SASAO	DATE '03/12/12	MOLEX INCORPORATED				
		ANGULAR	±3 °	MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-038		2 OF 5			
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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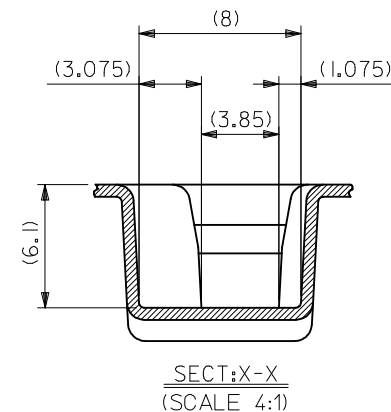
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B

B

A

A



32	37.4	33.4	20.25	16.32	52610-157I	I5
			19.25	15.32	52610-147I	I4
			18.25	14.32	52610-137I	I3
			17.25	13.32	52610-127I	I2
			16.25	12.32	52610-117I	I1
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT.
			52610-**71		MODEL NO.	

REVISED EC NO: J2009-2061 DRWN:TKON CHKD:HWAJUMOTO 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 T. UENO	DATE '03/12/12	TITLE 1.0 FPC CONN SMT ZIF EMBSTP PKG -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY M. SASAO	DATE '03/12/12				
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE '03/12/12				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-038		3 OF 5		
	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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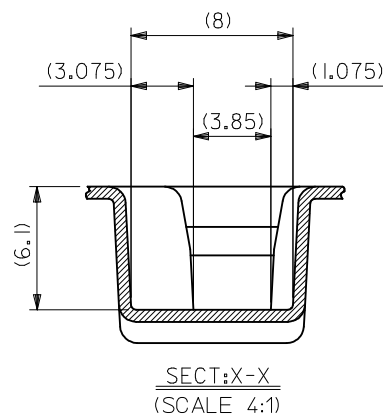
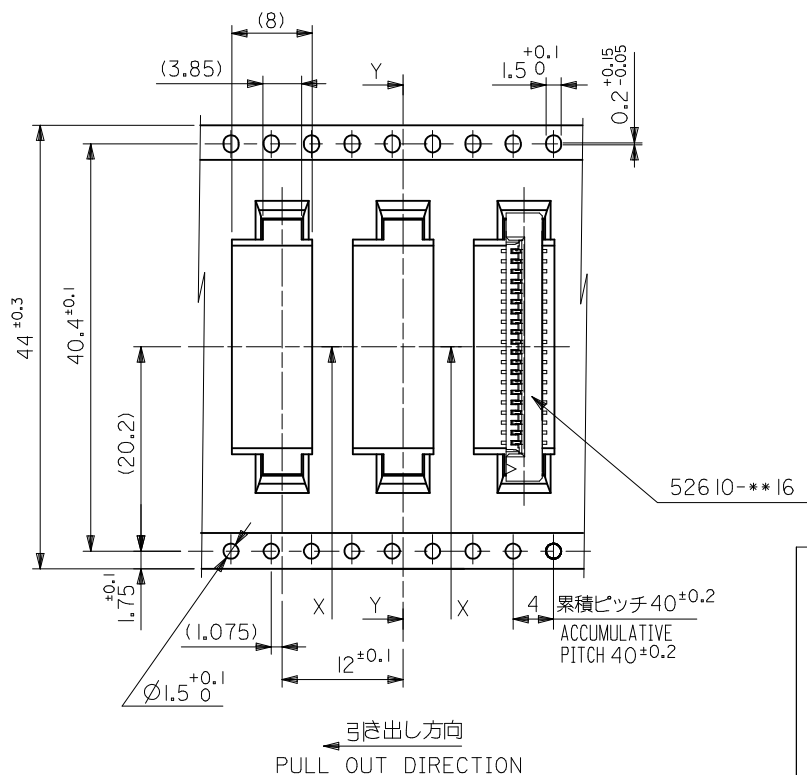
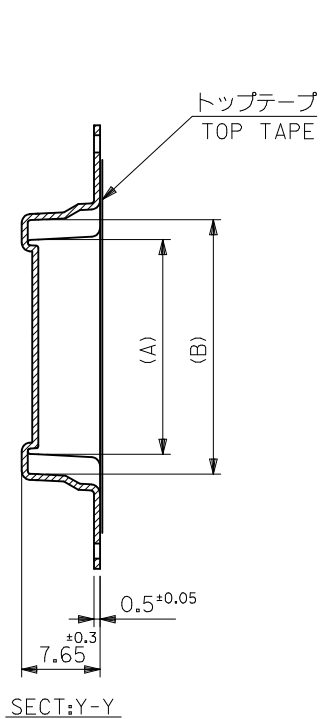
E

D

C

B

A



44	49.4	45.4	31.25	27.32	52610-2671	26
			30.25	26.32	52610-2571	25
			29.25	25.32	52610-2471	24
			28.25	24.32	52610-2371	23
			27.25	23.32	52610-2271	22
			26.25	22.32	52610-2171	21
			25.25	21.32	52610-2071	20
			24.25	20.32	52610-1971	19
			23.25	19.32	52610-1871	18
			22.25	18.32	52610-1771	17
21.25	17.32	52610-1671	16			
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT.
				52610-**-71	MODEL NO.	

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
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		30 OVER	± 0.3	APPROVED BY M.SASAO	DATE '03/12/12	MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-038		4 OF 5		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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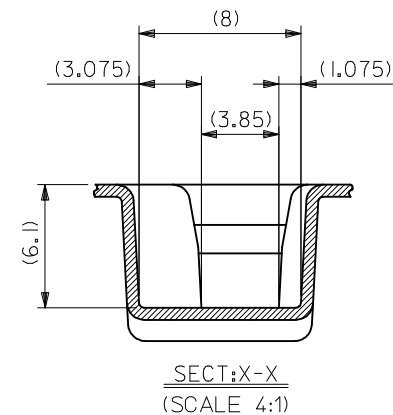
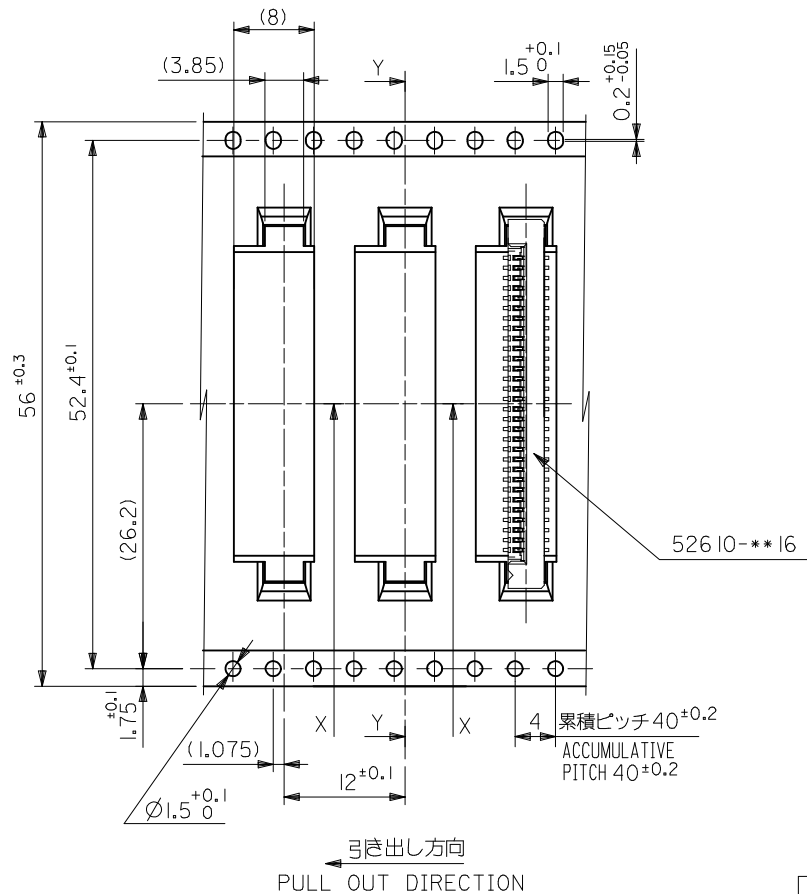
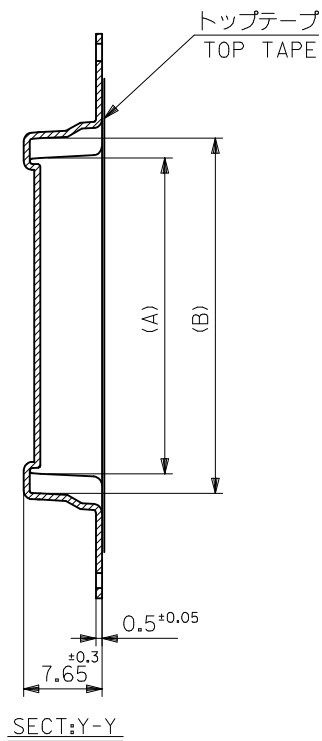
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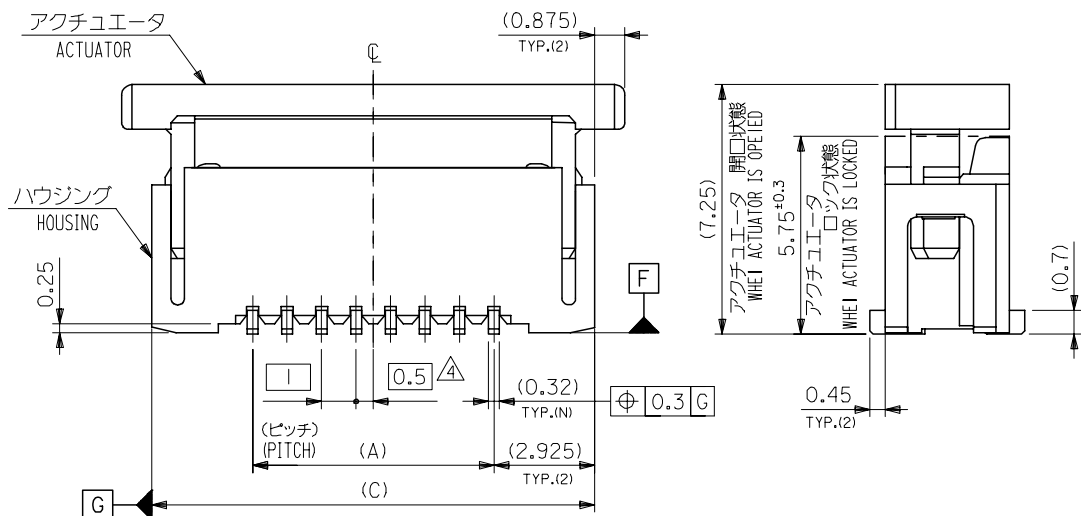
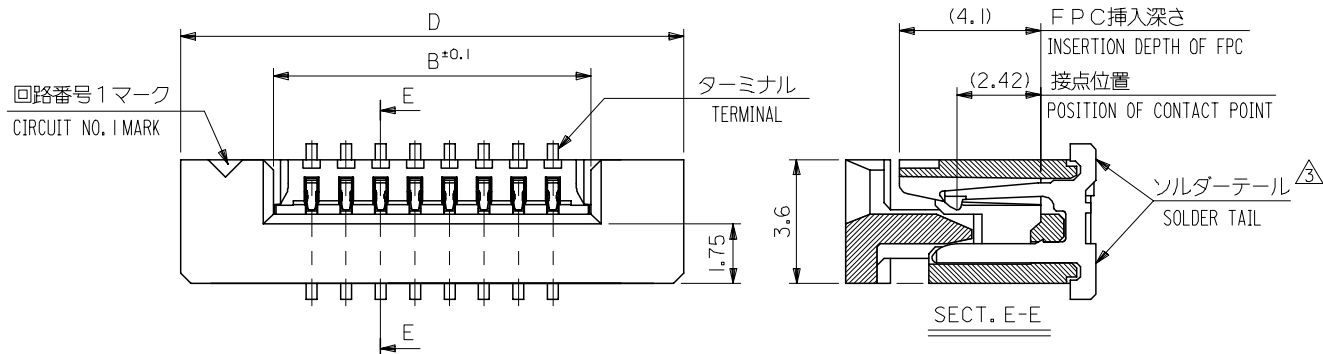
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56	61.4	57.4	35.25	31.32	52610-3071	30
			33.25	29.32	52610-2871	28
キャリアテープ幅 CARRIER TAPE WIDTH			D	C	(B)	(A)
			MATERIAL NO.		積数 CKT.	
			52610-**-71		MODEL NO.	

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 T.UENO	DATE '03/12/12	TITLE 1.0 FPC CONN SMT ZIF EMBSTP PKG -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY M.SASAO	DATE '03/12/12					
		30 OVER	± 0.3	APPROVED BY M.SASAO	DATE '03/12/12	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52610-038		5 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



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 (±0.32)

PHOS-BRO

錫・2%ビスマスマスメッキ 1. 0マイクロメートル以上
TIN 2% BISMUTH 1.0 MICROMETER MINIMUM
ニッケル下地 1. 0マイクロメートル以上
NICKEL (UNDER PLATING) 1.0 MICROMETER MINIMUM

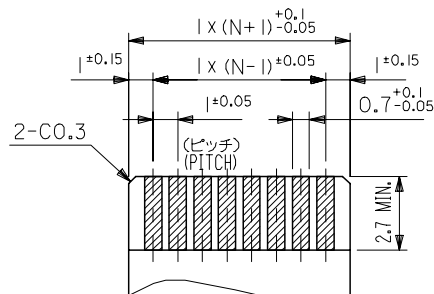
2. エンボステープ梱包時は、アクチュエータがロックした状態とする。 IN THE PACKAGE , ACTUATOR OF PART NO. 52610-***16 SHOULD BE LOCKED.

△3 ソルダーテ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.

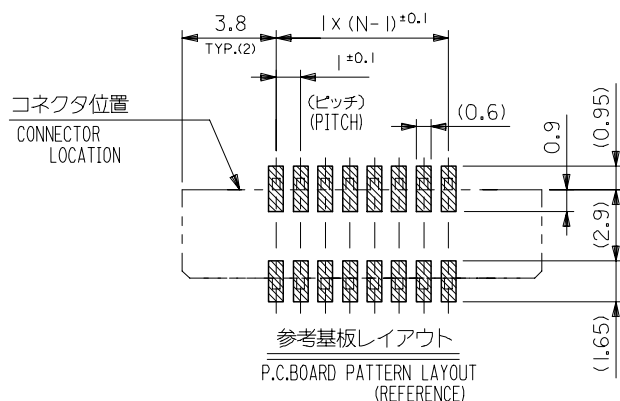
△4 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

5. 本製品は 52610-***17 の鉛フリー品です

REVISED	EC NO: J2006-3196 DRWN:MABEI 2006/04/17 CHKD:KTOYODA 2006/04/18 APPR:NUKITA 2006/04/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			10 UNDER	±0.2	DRAWN BY TUENO	DATE '03/12/12	TITLE 1.0 FPC CONNECTOR Z.I.F. FOR SMT.(ST.) -LEAD FREE-				
			10 OVER 30 UNDER	±0.25	CHECKED BY MSASAO	DATE '03/12/12					
			30 OVER	±0.3	APPROVED BY MSASAO	DATE '03/12/12	MOLEX INCORPORATED				
			ANGULAR	±3 °	MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52610-041		1 OF 2		
C	REV	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



FPCについて:
打抜き方向は導体側から補強板側を推奨致します。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

36.6	34.85	31.2	29	52610-3016	30
35.6	33.85	30.2	28	↙ -2916	29
34.6	32.85	29.2	27	-2816	28
33.6	31.85	28.2	26	-2716	27
32.6	30.85	27.2	25	-2616	26
31.6	29.85	26.2	24	-2516	25
30.6	28.85	25.2	23	-2416	24
29.6	27.85	24.2	22	-2316	23
28.6	26.85	23.2	21	-2216	22
27.6	25.85	22.2	20	-2116	21
26.6	24.85	21.2	19	-2016	20
25.6	23.85	20.2	18	-1916	19
24.6	22.85	19.2	17	-1816	18
23.6	21.85	18.2	16	-1716	17
22.6	20.85	17.2	15	-1616	16
21.6	19.85	16.2	14	-1516	15
20.6	18.85	15.2	13	-1416	14
19.6	17.85	14.2	12	-1316	13
18.6	16.85	13.2	11	-1216	12
17.6	15.85	12.2	10	-1116	11
16.6	14.85	11.2	9	-1016	10
15.6	13.85	10.2	8	-0916	9
14.6	12.85	9.2	7	-0816	8
13.6	11.85	8.2	6	-0716	7
12.6	10.85	7.2	5	↘ -0616	6
11.6	9.85	6.2	4	52610-0516	5
D	(C)	B	(A)	MODEL NO.	CKT.

REVISED	EC NO: J2006-3196	DRWN: NABEI	2006/04/17	CHKD: KTOYODA	2006/04/18	APPR: NUKITA	2006/04/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
									10 UNDER	± 0.2	DRAWN BY TUENO	DATE '03/12/12	TITLE 1.0 FPC CONNECTOR Z.I.F. FOR SMT. (ST.) -LEAD FREE-			
									10 OVER 30 UNDER	± 0.25	CHECKED BY MSASAO	DATE '03/12/12				
									30 OVER	± 0.3	APPROVED BY MSASAO	DATE '03/12/12	MOLEX INCORPORATED			
									ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.				
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											SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			