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Part Number:0526100771

Status:Active

Overview:

Description:1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, ZIF Receptacle, 7 Circuits, Lead-free, High Barrier Packaging

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

China RoHS



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

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)

7

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-52610-033, 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

This document was generated on 06/05/2010

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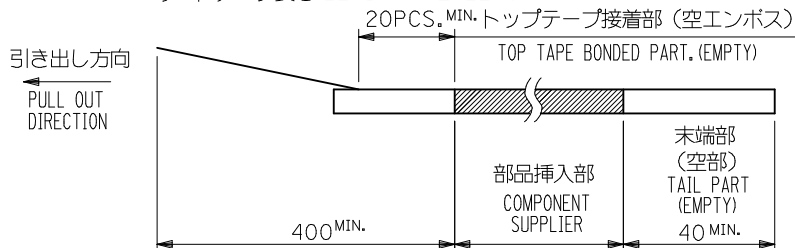
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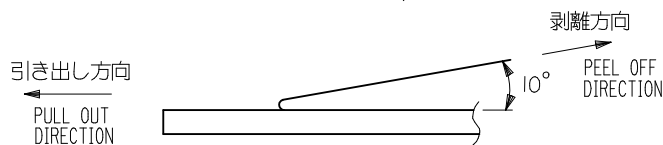
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NOTES

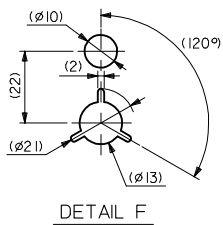
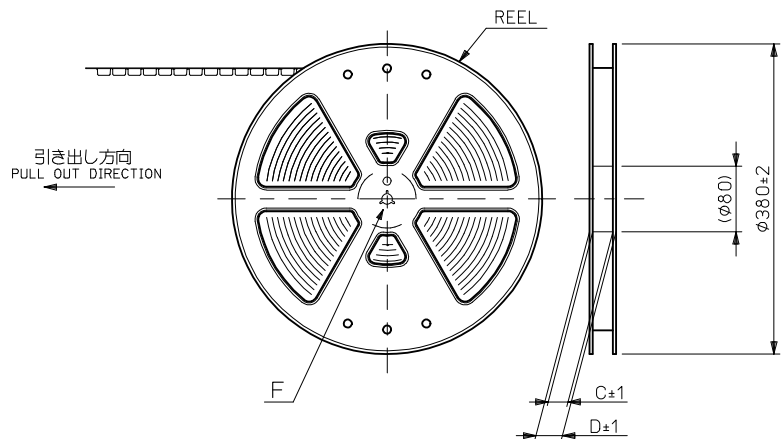
1. 梱包数量：1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
2. リードテープ長さ LEAD TAPE LENGTH



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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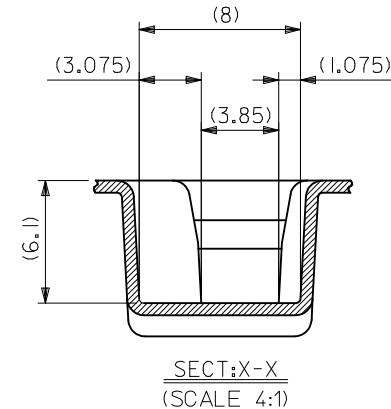
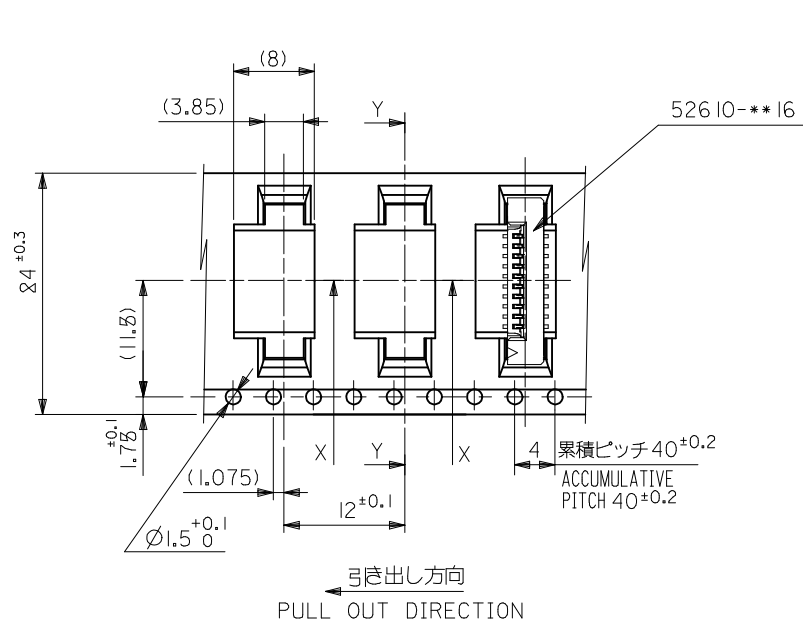
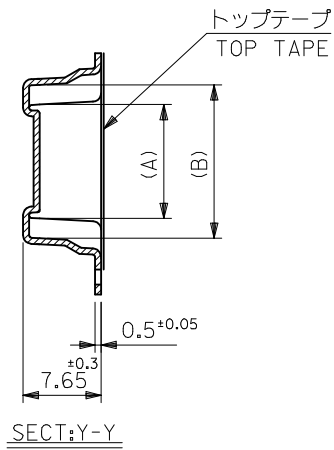
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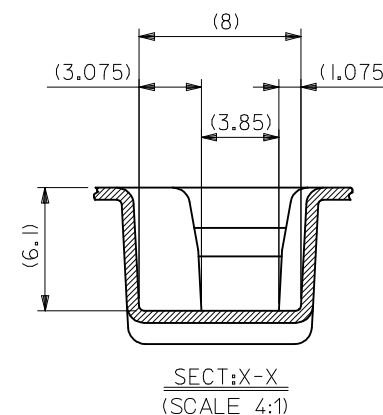
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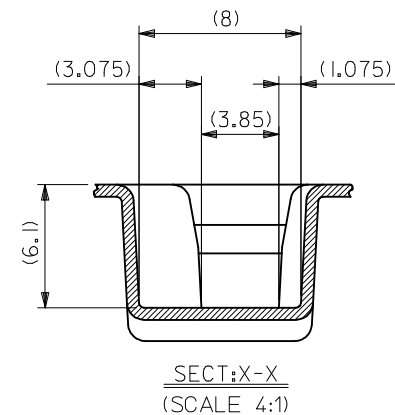
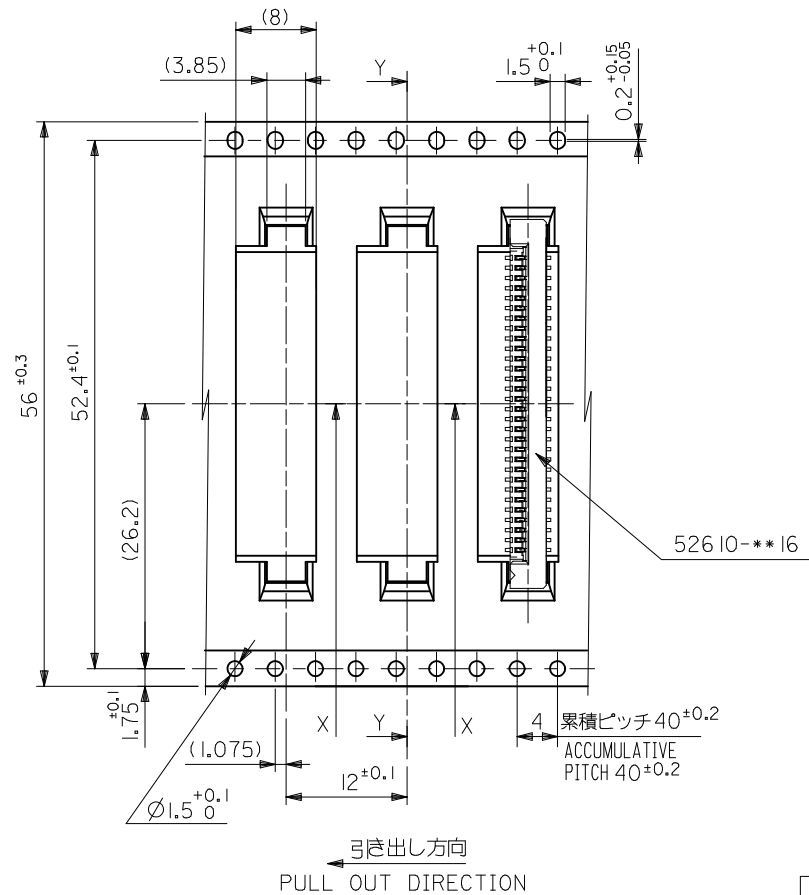
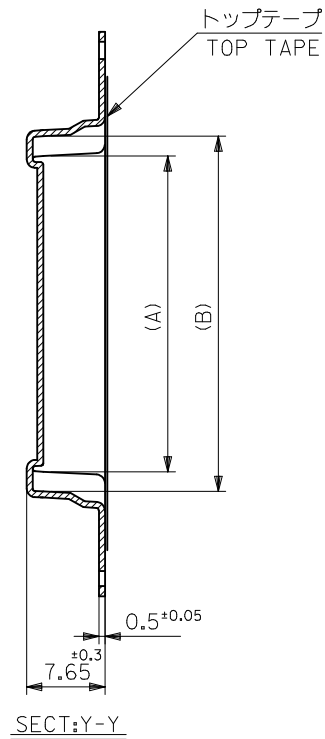


24	29.4	25.4	15.25	11.32	526 10-1071	10
			14.25	10.32	526 10-0971	9
			13.25	9.32	526 10-0871	8
			12.25	8.32	526 10-0771	7
			11.25	7.32	526 10-0671	6
			10.25	6.32	526 10-0571	5
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	MATERIAL NO.	極数 CKT.
			52610-**71		MODEL NO.	

REVISED EC NO: J2009-2061 DRWN:TKON 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 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		2 OF 5		
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



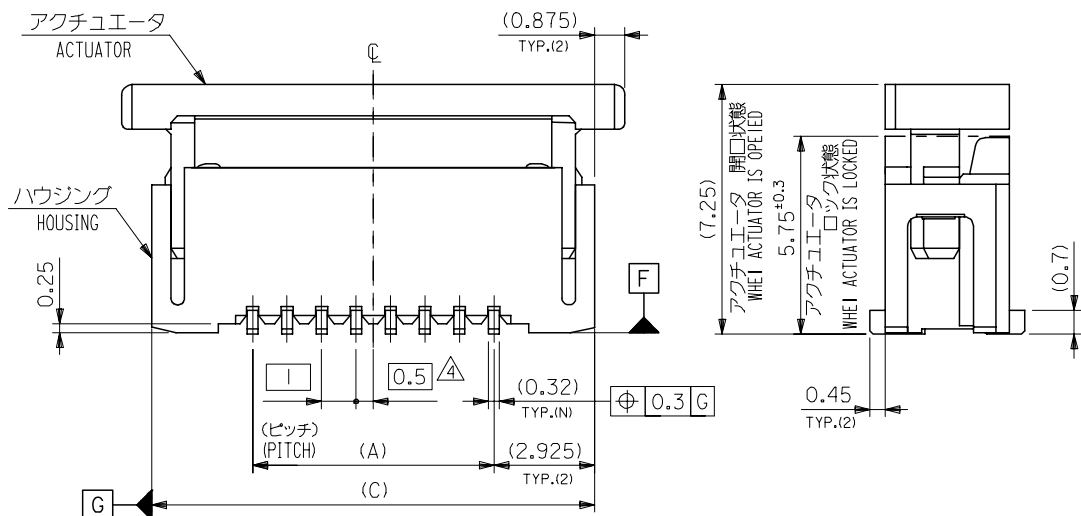
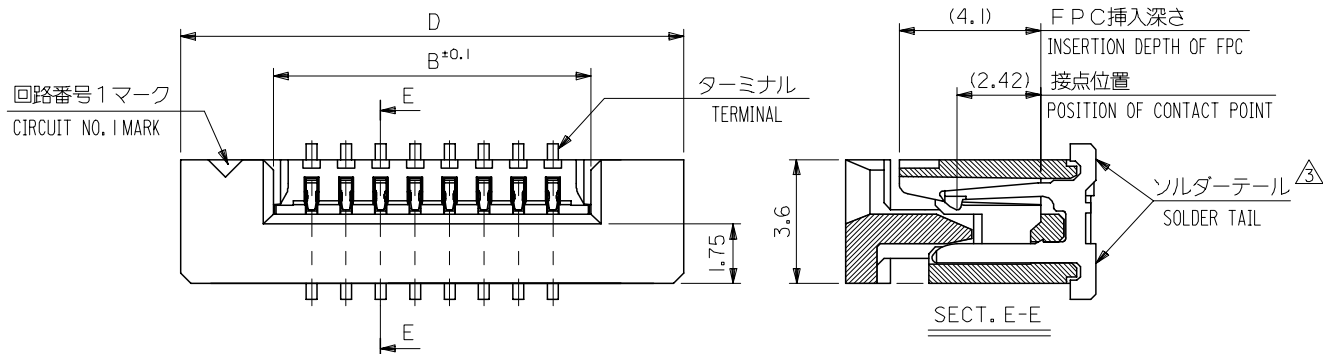
REVISED	EC NO: J2009-2061 DRAWN:TKON CHKD:HWATSUMOTO APPR:NUKITA	2009/05/20 2009/05/21 2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
				10 UNDER	± 0.2	DRAWN BY T. UENO	DATE '03/12/12	TITLE 1.0 FPC CONN SMT 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.		 MOLEX INCORPORATED DOCUMENT NO. SD-52610-038			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE					
	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



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

REVISED EC NO: J2009-2061 DRWN:TKN 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 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		
		C		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 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

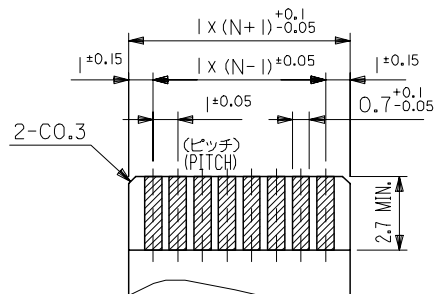
2. エンボステープ梱包時は、アクチュエータがロックした状態とする。 IN THE PACKAGE , ACTUATOR OF PART NO. 52610-**16 SHOULD BE LOCKED.

△3 溶剤ターミナ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.

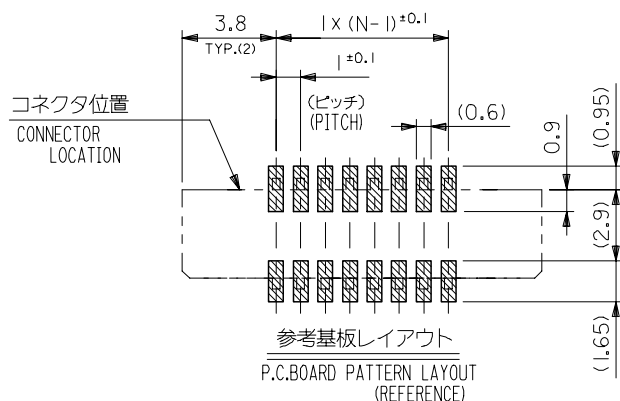
△4 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

5. 本製品は 52610-**17 の鉛フリー品です

REVISED				GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	MODEL NO.	52610-**16
EC NO: J2006-3196	DRWN:MABE1	2006/04/17	CHKD:KTOYODA	2006/04/18	APPR:NUKITA	2006/04/20	---	DESIGN UNITS	METRIC
DESCRIPTION				10 UNDER		±0.2	DRAWN BY	DATE	TITLE
				10 OVER 30 UNDER		±0.25	TUENO	'03/12/12	1.0 FPC CONNECTOR Z.I.F. FOR SMT.(ST.) -LEAD FREE-
				30 OVER		±0.3	MSASAO	'03/12/12	
				ANGULAR		±3 °	MSASAO	'03/12/12	MOLEX INCORPORATED
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.	DOCUMENT NO.	
							SEE CHART	SD-52610-041	SHEET NO.
							SIZE	A3	1 OF 2
							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

52610-xx16	11.6	9.85	6.2	4	52610-0516	5
MODEL NO.	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		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
											MM ONLY		---	METRIC		
									10 UNDER	± 0.2	DRAWN BY	DATE	TITLE 1.0 FPC CONNECTOR Z.I.F. FOR SMT. (ST.) -LEAD FREE-			
									10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE				
									30 OVER	± 0.3	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
									ANGULAR ±3 °		MSASAO	'03/12/12				
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		SEE CHART		SD-52610-041		2 OF 2										
								REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							