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Part Number: [0520300929](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, Through-Hole, Vertical, ZIF Receptacle, 9 Circuits, Lead-free

General

Product Family FFC/FPC Connectors
Series [52030](#)
Overview ffc_fpc_throughhole
Product Name N/A

Physical

Circuits (Loaded) 9
Contact Position N/A
Durability (mating cycles max) 30
Entry Angle Vertical
Mated Height (in) 0.205 In
Mated Height (mm) 5.20 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Tin-Bismuth
Material - Plating Termination Tin-Bismuth
Material - Resin Nylon, Polyester
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.126 In
PC Tail Length (mm) 3.20 mm
PCB Retention Yes
PCB Thickness Recommended (in) 0.063 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.039 In
Pitch - Mating Interface (mm) 1.00 mm
Polarized to PCB No
Stackable No
Temperature Range - Operating -20°C to +80°C
Termination Interface: Style Through Hole
Wire/Cable Type FFC/FPC

Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 50V

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-52030-001
Product Specification PS-52030-004, RPS-52030-005, RPS-52030-006, RPS-52030-018, RPS-52030-019, RPS-52030-020, RPS-52030-021, RPS-52030-022, RPS-52030-023
Sales Drawing SD-52030-017, SD-52030-020

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
[52030Series](#)

F

E

D

C

B

A

F

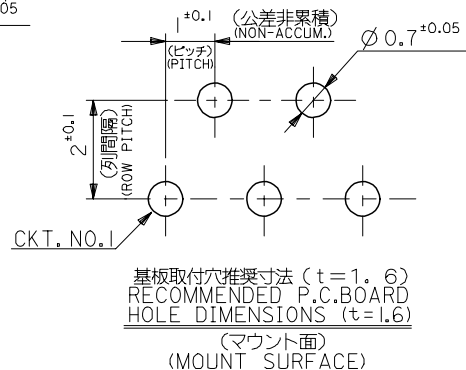
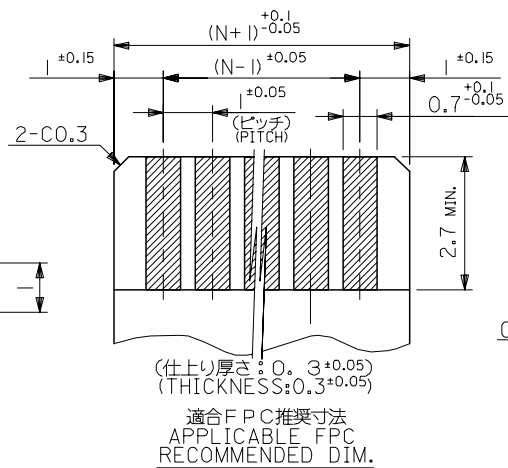
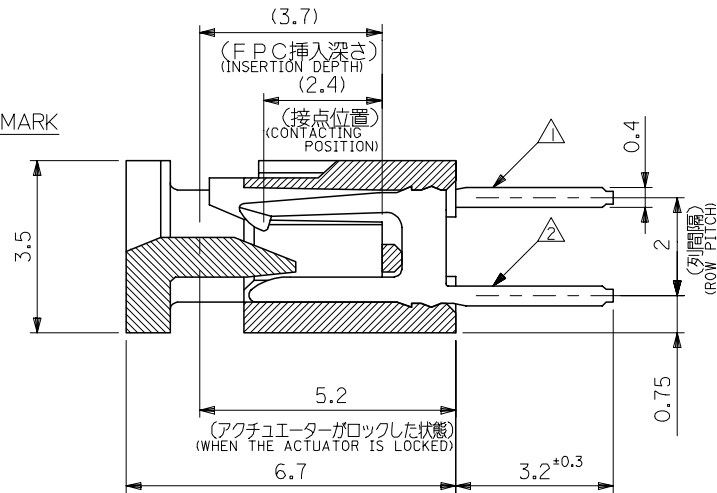
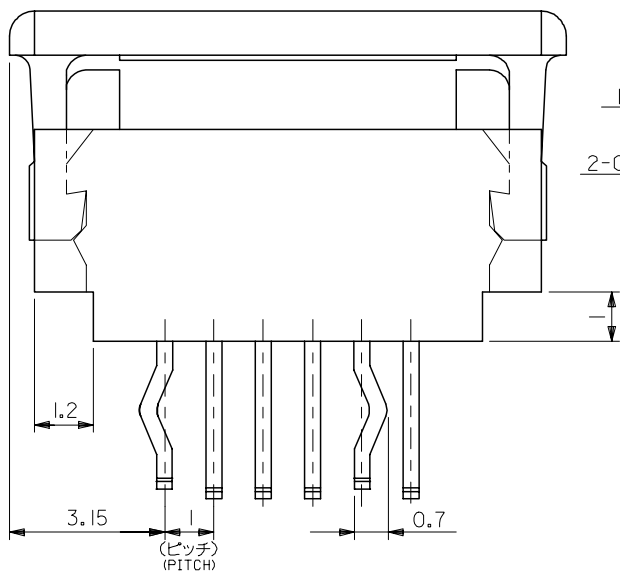
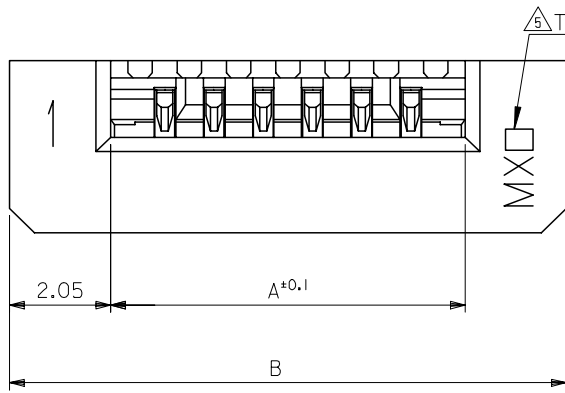
E

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A



TRADE MARK
MADE IN JAPAN:MXJ
MADE IN MALAYSIA:MXL

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。

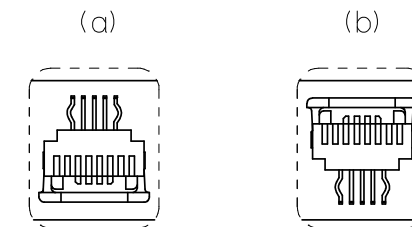
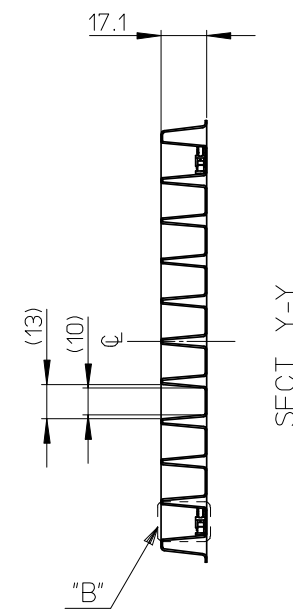
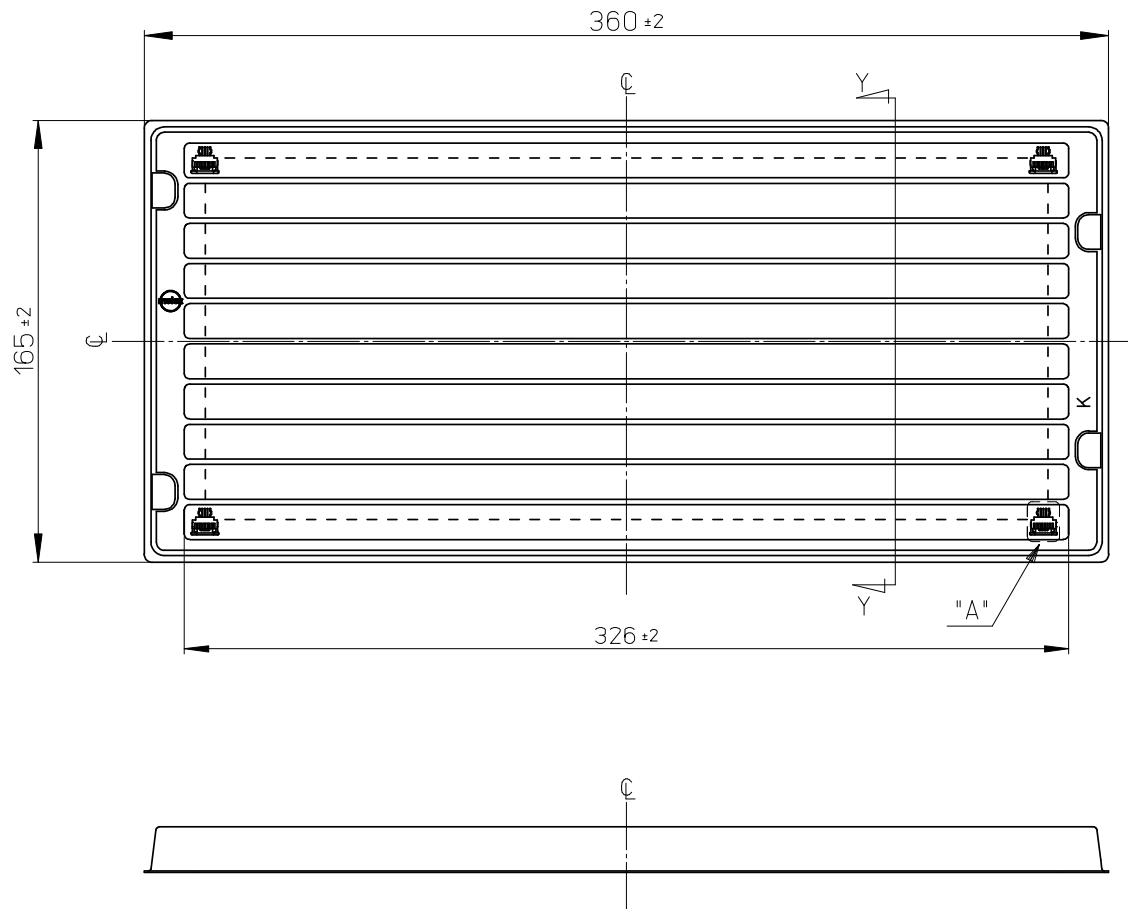
ABOUT FPC:

RECOMMENDED PUNCHER DIRECTION :FORM CONDUCTOR
SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THEROSETTING BONDING AGENT

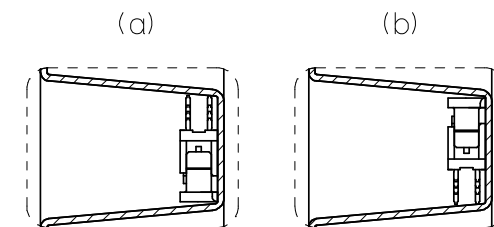
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34.3	30.2	-2929	29
33.3	29.2	-2829	28
32.3	28.2	-2729	27
31.3	27.2	-2629	26
30.3	26.2	-2529	25
29.3	25.2	-2429	24
28.3	24.2	-2329	23
27.3	23.2	-2229	22
26.3	22.2	-2129	21
25.3	21.2	-2029	20
24.3	20.2	-1929	19
23.3	19.2	-1829	18
22.3	18.2	-1729	17
21.3	17.2	-1629	16
20.3	16.2	-1529	15
19.3	15.2	-1429	14
18.3	14.2	-1329	13
17.3	13.2	-1229	12
16.3	12.2	-1129	11
15.3	11.2	-1029	10
14.3	10.2	-0929	9
13.3	9.2	-0829	8
12.3	8.2	-0729	7
11.3	7.2	-0629	6
10.3	6.2	-0529	5
9.3	5.2	-0429	4
8.3	4.2	52030-0329	3
B	A	MATERIAL NO.	極数 CKT.

- 注記:
NOTES:
△ CKT. NO. 1を基準に偶数番目のソルダーテール。
EVEN NUMBER SOLDER TAIL.
△ CKT. NO. 1を基準に奇数番目のソルダーテール。
ODD NUMBER SOLDER TAIL.
3. 材料:
MATERIAL:
ターミナル: リン青銅, ニッケル下地, 錫ビスマスメッキ (t=0.32)
TERMINAL: PHOSPHOR BRONZE, TIN-BISMUTH OVER NICKEL PLATING. (t=0.32)
ハウジング: 66ナイロン, UL94V-0
HOUSING: 66NYLON, UL94V-0
アクチュエーター: ポリエステル, UL94V-0
ACTUATOR: POLYESTER, UL94V-0
4. 本製品は52030-**-10の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52030-**-10.

REVISED EC NO: J2008-1613 DRAWN: YAOYAGI CHKD: HARUYAMA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
		10 UNDER	± 0.2	DRAWN BY YWADA	DATE '04/03/29	TITLE 1.0 FPC CONN ZIF ST -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY MSASAO	DATE '04/03/29				
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE '04/03/29	MOLEX MOLEX INCORPORATED			
		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			
		REV							



DETAIL A
(SCALE 2:1)



DETAIL B
(SCALE 2:1)

注記

- 一般公差: ± 0.5
GENERAL TOLERANCES: ± 0.5
- 各部の反りは2.0MAX.
WARP 2.0MAX.
- 梱包数: 梱包仕様書「SPK-52030-001」参照
PACKAGING QUANTITY: PACKAGING SPEC. 「SPK-52030-001」
トレイの中の製品の向きは(a)又は(b)とし、かつ同一トレイ中の
製品の向きはどちらか一方で統一
PRODUCT DIRECTION SHOULD BE (a) OR (b).
ALL PRODUCTS MUST FACED THE SAME DIRECTION
IN THE TRAY.

RELEASED EC NO: J2008-4159 DRWN: YOKUZONO CHKD: HARUYAMA APPR: NUKITA	DESCRIPTION REV 0	GENERAL TOLERANCES (UNLESS SPECIFIED) 10 UNDER ± --- 10 OVER 30 UNDER ± --- 30 OVER ± --- ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION STYLE MM ONLY		SCALE 1:2	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		
				DRAWN BY Y. TOKUZONO	DATE 2008/6/5	TITLE TRAY FOR 52030 (1.0 FPC CONN. ZIF. ST.)					
				CHECKED BY T. HARUYAMA	DATE 2008/6/5						
				APPROVED BY N. UKITA	DATE 2008/6/5	 MOLEX INCORPORATED					
				MATERIAL NO. 098910031						DOCUMENT NO. SD-52030-020	SHEET NO. 1 OF 1
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						