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**Part Number:** 0520302529

**Status:** Active

**Overview:**

**Description:** 1.00mm (.039") Pitch FFC/FPC Connector, Through-Hole, Vertical, ZIF Receptacle, 25 Circuits, Lead-free

**EU RoHS**
**ELV and RoHS Compliant**
**REACH SVHC**
Not Reviewed
**Halogen-Free Status**
**Not Reviewed**

**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**
52030Series

## General

| | |
|---|---|
| Product Family | FFC/FPC Connectors |
| Series | 52030 |
| Overview | ffc_fpc_throughhole |
| Product Name | N/A |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 25 |
| 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 |

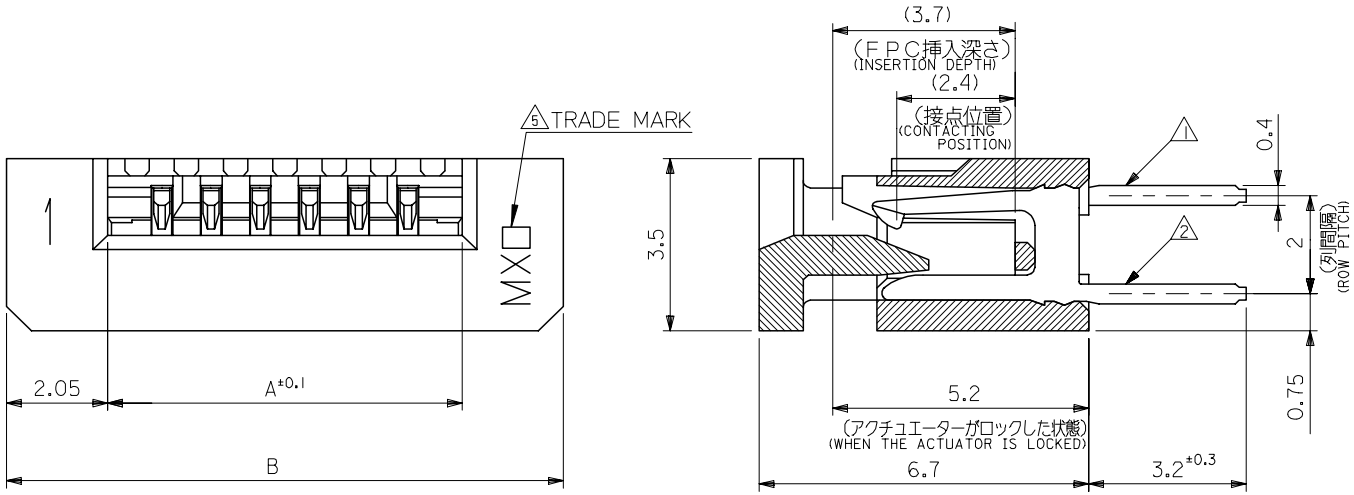
## Material Info

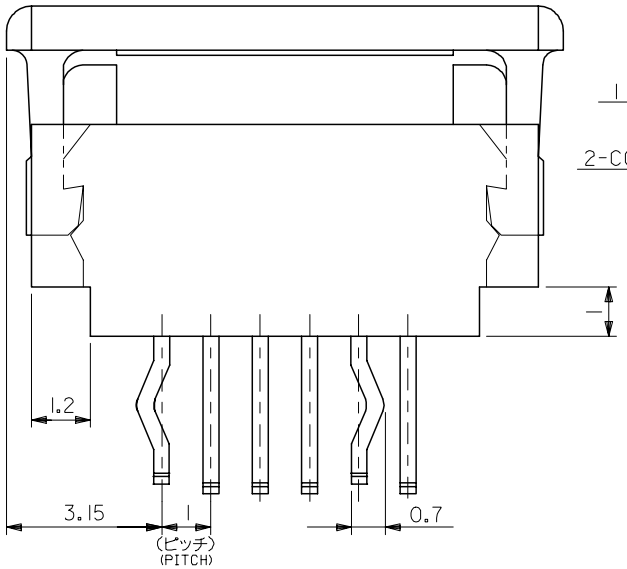
## Reference - Drawing Numbers

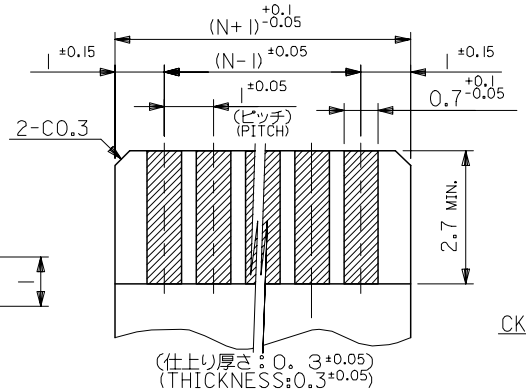
| | |
|---|---|
| Packaging Specification | SPK-52030-001 |
| Product Specification | PS-52030-004, RPS-52030-005, RPS-52030-006, RPS-52030-018, RPS-52030-019, RPS-52030-023 |
| Sales Drawing | SD-52030-017 |

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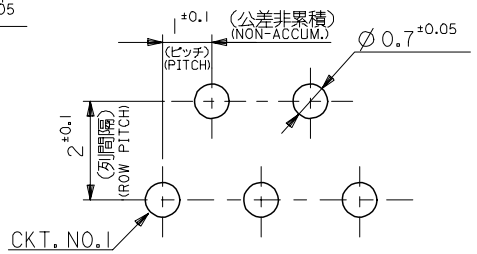
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適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIM.




基板取付穴推奨寸法 (t=1.6)
RECOMMENDED P.C.BOARD
HOLE DIMENSIONS (t=1.6)
(マウント面)
(MOUNT SURFACE)

5 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

| | | | |
|---|---|---|---|
| 35.3 | 31.2 | 52030-3029 | 30 |
| 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. |

MODEL NO. 52030-**29

注記:
NOTES:
1. CKT. NO. 1を基準に偶数番目のソルダーテール。
EVEN NUMBER SOLDER TAIL.
2. 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
DRWN:YAOYAGI 2007/10/30
CHKD:THARUYAMA 2007/10/30
APPR:NUKITA 2007/10/30
DESCRIPTION
REV B

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 |
| SCALE | 10:1 |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY / DATE | YWADA '04/03/29 |
| CHECKED BY / DATE | MSASAO '04/03/29 |
| APPROVED BY / DATE | MSASAO '04/03/29 |
| MATERIAL NO. | SEE TABLE |
| TITLE | 1.0 FPC CONN ZIF ST -LEAD FREE- |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SD-52030-017 |
| SHEET NO. | 1 OF 1 |
| SIZE | A3 |

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