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**Part Number:** 0520440645
**Status:** Active
**Overview:**
**Description:** 1.25mm (.049") Right Angle, Non-ZIF, Top Contact Style Receptacle, 6 Circuits

## Agency Certification

| | |
|---|---|
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | FFC/FPC Connectors |
| Series | 52044 |
| Overview | ffc_fpc_throughhole |
| Product Name | N/A |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 6 |
| Contact Position | Top |
| Entry Angle | 90° Angle |
| Flammability | 94V-0 |
| Mated Height (in) | 0.201 In |
| Mated Height (mm) | 5.10 mm |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.138 In |
| PC Tail Length (mm) | 3.50 mm |
| PCB Retention | None |
| Packaging Type | Tray |
| Pitch - Mating Interface (in) | 0.049 In |
| Pitch - Mating Interface (mm) | 1.25 mm |
| Polarized to PCB | Yes |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +85°C |
| Termination Interface: Style | Through Hole |
| Wire/Cable Type | FFC/FPC |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 0.5A, 1A |
| Voltage - Maximum | 200V |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | SPK-52044 |
| Product Specification | PS-52044-002, RPS-52044-003, RPS-52044-005, RPS-52044-006, RPS-52044-007, RPS-52044-008 |
| Sales Drawing | SD-52044-**45 |

**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

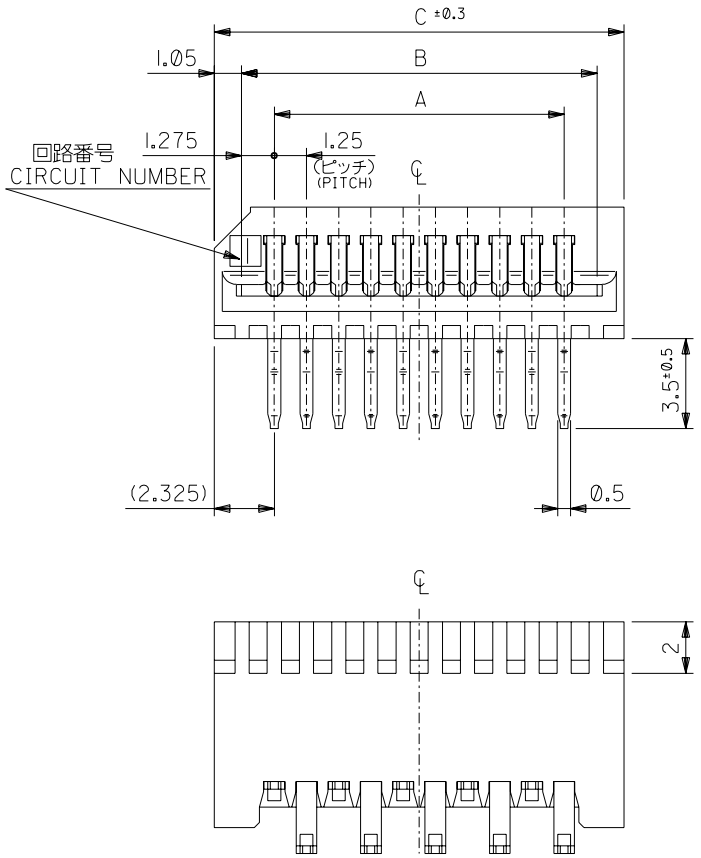
Please visit the Contact Us section for any non-product compliance questions.

**Search Parts in this Series**
52044Series

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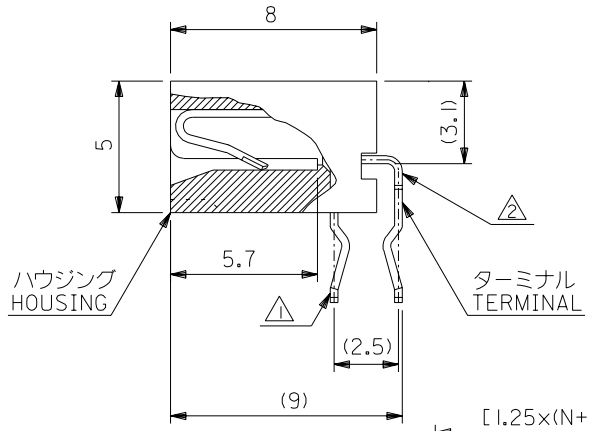
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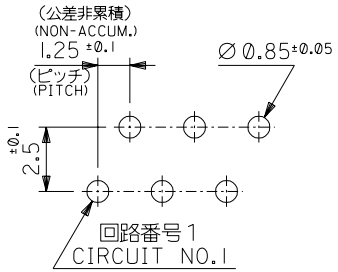
DWG. NO. SD-52044-**45





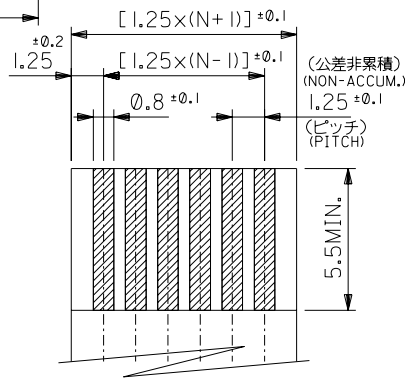





基板取付穴推奨寸法
RECOMMENDED P.C.BOARD HOLE DIM.

(厚さ：1.6)
(THICKNESS : 1.6)




厚さ：0.3±0.05
THICKNESS : 0.3±0.05

適合 FFC/FPC 推奨寸法
APPLICABLE FFC/FPC RECOMMENDED DIM.

無鉛
LEAD FREE

| C | B | A | ENG. NO. | NO. OF CKT. 極数 |
|---|---|---|---|---|
| 53.4 | 51.3 | 48.75 | 52044-4045 | 40 |
| 52.15 | 50.05 | 47.5 | -3945 | 39 |
| 50.9 | 48.8 | 46.25 | -3845 | 38 |
| 49.65 | 47.55 | 45 | -3745 | 37 |
| 48.4 | 46.3 | 43.75 | -3645 | 36 |
| 47.15 | 45.05 | 42.5 | -3545 | 35 |
| 45.9 | 43.8 | 41.25 | -3445 | 34 |
| 44.65 | 42.55 | 40 | -3345 | 33 |
| 43.4 | 41.3 | 38.75 | -3245 | 32 |
| 42.15 | 40.05 | 37.5 | -3145 | 31 |
| 40.9 | 38.8 | 36.25 | -3045 | 30 |
| 39.65 | 37.55 | 35 | -2945 | 29 |
| 38.4 | 36.3 | 33.75 | -2845 | 28 |
| 37.15 | 35.05 | 32.5 | -2745 | 27 |
| 35.9 | 33.8 | 31.25 | -2645 | 26 |
| 34.65 | 32.55 | 30 | -2545 | 25 |
| 33.4 | 31.3 | 28.75 | -2445 | 24 |
| 32.15 | 30.05 | 27.5 | -2345 | 23 |
| 30.9 | 28.8 | 26.25 | -2245 | 22 |
| 29.65 | 27.55 | 25 | -2145 | 21 |
| 28.4 | 26.3 | 23.75 | -2045 | 20 |
| 27.15 | 25.05 | 22.5 | -1945 | 19 |
| 25.9 | 23.8 | 21.25 | -1845 | 18 |
| 24.65 | 22.55 | 20 | -1745 | 17 |
| 23.4 | 21.3 | 18.75 | -1645 | 16 |
| 22.15 | 20.05 | 17.5 | -1545 | 15 |
| 20.9 | 18.8 | 16.25 | -1445 | 14 |
| 19.65 | 17.55 | 15 | -1345 | 13 |
| 18.4 | 16.3 | 13.75 | -1245 | 12 |
| 17.15 | 15.05 | 12.5 | -1145 | 11 |
| 15.9 | 13.8 | 11.25 | -1045 | 10 |
| 14.65 | 12.55 | 10 | -0945 | 9 |
| 13.4 | 11.3 | 8.75 | -0845 | 8 |
| 12.15 | 10.05 | 7.5 | -0745 | 7 |
| 10.9 | 8.8 | 6.25 | -0645 | 6 |
| 9.65 | 7.55 | 5 | -0545 | 5 |
| 8.4 | 6.3 | 3.75 | -0445 | 4 |
| 7.15 | 5.05 | 2.5 | 52044-0345 | 3 |

注記 NOTES

⚠1 奇数極ソルダーテール。
ODD CIRCUIT SOLDER TAIL.

⚠2 偶数極ソルダーテール。
EVEN CIRCUIT SOLDER TAIL.

3. 材質 MATERIAL

ターミナル：リン青銅 (t=0.3)
メッキ：錫メッキ 0.9μm 以上
リフロー処理
TERMINAL : PHOSPHOR BRONZE (t=0.3)
PLATING : Sn 0.9μm MIN.
REFLOW TREATMENT.
ハウジング：PBTP, UL94V-0 (灰色)
HOUSING : PBTP, UL94V-0 (GRAY)

| 単位 DESIGN UNITS | mm |
|---|---|
| 角度 ANGLE | ±3° |
| 30 以上 OVER | ±0.3 |
| 10 以上 30 未満 OVER UNDER | ±0.25 |
| 10 未満 UNDER | ±0.2 |
| 一般公差 GENERAL TOLERANCES | |

| 記号 LTR | 変更内容 REVISION RECORD | DR. CHK. | 日付 DATE |
|---|---|---|---|
| C | 変更 REVISED (J2003-1115) | K.Y M.T | '02/10/22 |
| B | 変更 REVISED (J2002-1855) | K.Y M.T | '02/2/1 |
| A | 再作図&変更(J50278) REDRAWN & REVISED | T.A H.H | '95/4/24 |

| | |
|---|---|
| 材料 MATERIAL | 注記参照 SEE NOTES |
| 仕上げ FINISH | |
| 適用電線範囲 WIRE RANGE | |
| 被覆外径 INS. RANGE | |
| DRAWN BY '95/4/24 T.ASAKAWA | CHK'D BY '95/4/24 Y.M H.HIRAMOTO |
| APP'D BY '95/4/24 M.FUKUSHIMA | 尺度 SCALE 5 : 1 |

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.25 FFC CONN. HS'G ASS'Y
R/A. TYPE

DWG. NO. SD-52044-**45

REV C

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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