

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [0520443745](#)  
**Status:** **Active**  
**Overview:**  
**Description:** 1.25mm (.049") Right Angle, Non-ZIF, Top Contact Style Receptacle, 37 Circuits

**Agency Certification**

UL E29179

**General**

Product Family FFC/FPC Connectors  
Series 52044  
Overview ffc\_fpc\_throughhole  
Product Name N/A

**Physical**

Circuits (Loaded) 37  
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-52044-008  
Sales Drawing SD-52044-\*\*45

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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](#)



## 注記 NOTES

- △ 奇数極ソルダーテール。  
ODD CIRCUIT SOLDER TAIL.
- △ 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 0.9 μm 以上

リフロー処理

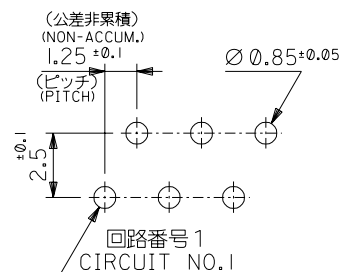
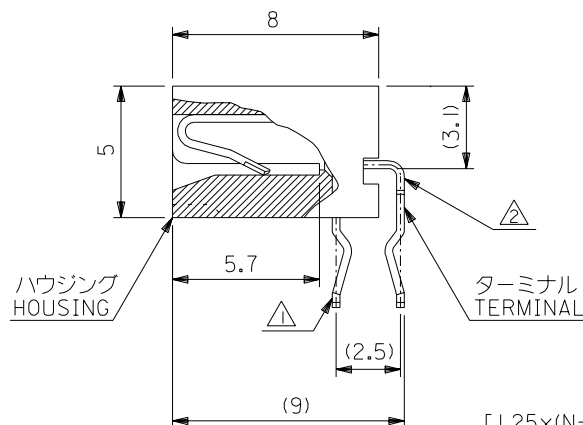
TERMINAL : PHOSPHOR BRONZE (t=0.3)

PLATING : Sn 0.9 μm MIN.

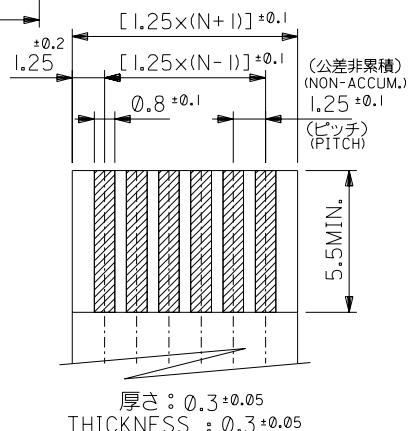
REFLOW TREATMENT.

ハウジング：PBTP, UL94V-0 (灰色)

HOUSING : PBTP, UL94V-0 (GRAY)



基板取付穴推奨寸法  
RECOMMENDED P.C.BOARD HOLE DIM.  
(厚さ：1.6)  
(THICKNESS : 1.6)



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

無鉛  
LEAD FREE

|       |       |       |              |                |
|-------|-------|-------|--------------|----------------|
| 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              |
| C     | B     | A     | ENG. NO.     | NO. OF CKT. 極数 |

|                         |        |                      |                |                                 |                                     |
|-------------------------|--------|----------------------|----------------|---------------------------------|-------------------------------------|
| 単位 DESIGN UNITS         | mm     | 材料 MATERIAL          | 注記参照 SEE NOTES | 材料 MATERIAL                     | モレックス日本株式会社 MOLEX-JAPAN CO.,LTD.    |
| 角度 ANGLE                | ±3°    | 仕上げ FINISH           | —H—            | 適用電線範囲 WIRE RANGE               | REVISE ONLY ON CAD SYSTEM           |
| 30 以上 OVER              | ±0.3   | 被覆外径 INS. RANGE      | —H—            | DRAWN BY '95/4/24 T.ASAKAWA     | TITLE 名称                            |
| 10 以上 30 未満 UNDER       | ±0.25  | 被覆外径 INS. RANGE      | —H—            | CHK'D BY '95/4/24 Y.M. HIRAMOTO | 1.25 FFC CONN. HS'G ASS'Y R/A. TYPE |
| 10 未満 UNDER             | ±0.2   | 被覆外径 INS. RANGE      | —H—            | APP'D BY '95/4/24 M.FUKUSHIMA   | DWG. NO.                            |
| 一般公差 GENERAL TOLERANCES | 記号 LTR | 変更内訳 REVISION RECORD | DR. CHK.       | 日付 DATE                         | 尺度 SCALE 5 : 1                      |
|                         |        |                      |                |                                 | REV C                               |