



**THE DATASHEET OF  
PPTC052LFBN-RC**

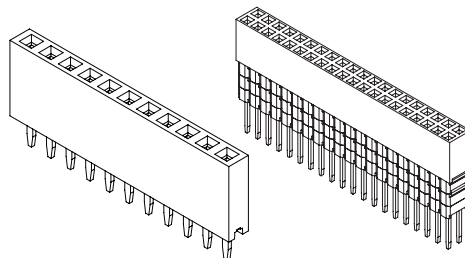




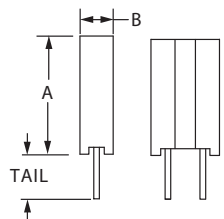
## .100" [2.54 mm] Contact Centers, Female Headers, Straight/Right Angle/SMT

### SPECIFICATIONS

- 3 Amps current rating
- UL Flammability Rating : 94V-0
- Insulator Material : PBT, Nylon
- Contact Material : Phosphor Bronze

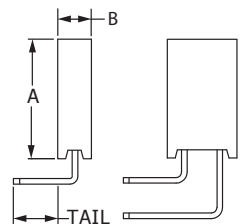


### TERMINATION TYPE



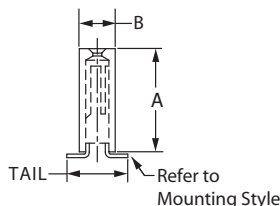
**STRAIGHT**

| P/N CODE | ROWS | TERMINATION TYPE | A            | B            | TAIL         |
|----------|------|------------------|--------------|--------------|--------------|
| LFB      | 1    | STRAIGHT         | .335" [8.50] | .100" [2.54] | .126" [3.20] |
|          | 2    | STRAIGHT         | .335" [8.50] | .200" [5.08] | .126" [3.20] |



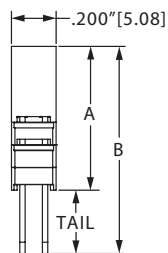
**RIGHT ANGLE**

| P/N CODE | ROWS | TERMINATION TYPE | A            | B             | TAIL         |
|----------|------|------------------|--------------|---------------|--------------|
| LGB      | 1    | RIGHT ANGLE      | .335" [8.50] | 0.100" [2.54] | .124" [3.15] |
| LJB      | 2    | RIGHT ANGLE      | .335" [8.50] | 0.200" [5.08] | .124" [3.15] |



**SMT**

| P/N CODE | ROWS | TERMINATION TYPE | ENTRY     | A            | B            | TAIL         |
|----------|------|------------------|-----------|--------------|--------------|--------------|
| KFX      | 1    | SMT              | TOP ENTRY | .280" [7.10] | .098" [2.50] | .169" [4.30] |
| KFM      | 2    | SMT              | TOP ENTRY | .280" [7.10] | .197" [5.00] | .270" [6.85] |



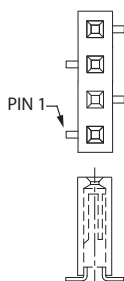
**2 ROW STRAIGHT WITH ELEVATED SPACER**

| P/N CODE | ROWS | MODIFICATION | # OF SPACERS | A             | B             | TAIL          |
|----------|------|--------------|--------------|---------------|---------------|---------------|
| LFH      | 2    | M44          | 1            | .435" [11.04] | .725" [18.42] | .291" [7.38]  |
|          | 2    | M45          | 2            | .535" [13.58] | .725" [18.42] | .191" [4.84]  |
|          | 2    | M46          | 3            | .635" [16.12] | .725" [18.42] | .091" [2.30]  |
|          | 2    | M50          | 1            | .435" [11.04] | .525" [13.34] | .091" [2.30]  |
|          | 2    | M51          | 1            | .435" [11.04] | .915" [23.24] | .480" [12.20] |
|          | 2    | M52          | 2            | .535" [13.58] | .915" [23.24] | .380" [9.65]  |
|          | 2    | M53          | 3            | .635" [16.12] | .914" [23.22] | .280" [7.10]  |
|          | 2    | M54          | 4            | .735" [18.66] | .916" [23.26] | .181" [4.60]  |

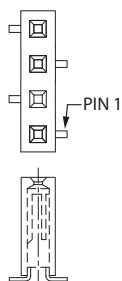
### MOUNTING STYLE



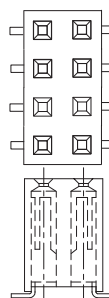
**No Mounting Standard (N)**



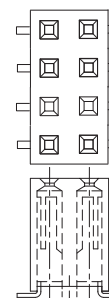
**One Row SMT, Pin 1 Left (C)**



**One Row SMT, Pin 1 Right (D)**



**Two Row SMT, Without Guide Post (S)**



**Two Row SMT, With Guide Post (P)**



## .100" [2.54 mm] Contact Centers, Female Headers, Straight/Right Angle/SMT

### PART NUMBER OPTIONS

**MATERIALS (INSULATOR/CONTACT)**  
 PP = Polyester/Phosphor Bronze (Thru Hole Only)  
 NP = Nylon /Phosphor Bronze

**CONTACT FINISH - RoHS Compliant**  
 P = Gold Flash Overall  
 T = Tin Overall

**CONTACT CENTERS**  
 C = .100" [2.54 mm]

**NUMBER OF POSITIONS**  
 Contact per row, 02 Thru 40

**NUMBER OF ROWS (Opposite Page)**  
 1 = Single Row  
 2 = Dual Row

**PP P C 36 1 LFB N - Mxx RC**

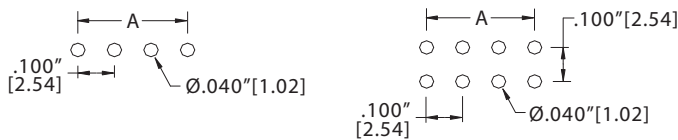
**RoHS Compliant**

**MODIFICATION (Consult Factory)**  
 Required for LFH Termination  
 See Termination Type on Opposite Page

**MOUNTING STYLE**  
 N = No Mounting  
 C = SMT, Single Row, pin 1 Left  
 D = SMT, Single Row, pin 1 Right  
 P = SMT, Dual Row with guide posts  
 S = SMT, Dual Row without guide posts

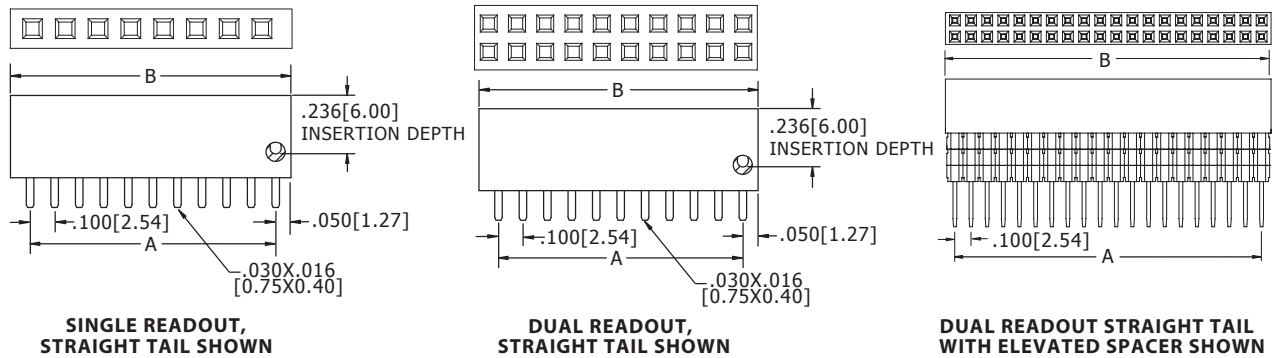
**TERMINATION TYPE**  
 LFB = Straight  
 LGB = Single Row Right Angle  
 LJB = Dual Row Right Angle  
 KFX = Single Row SMT (NP SERIES ONLY)  
 KFM = Dual Row SMT (NP SERIES ONLY)  
 LFH = Dual Row Straight with Elevated Spacer  
 (Requires Modification see Opposite Page)

### PCB LAYOUT



**Recommended P.C.Board Hole Layout**

### DIMENSIONS Dimensions in [ ] are in millimeters, all others are in inches.



| NUMBER OF POSITIONS | NUMBER OF CONTACTS |       | A     |       | B     |       |
|---------------------|--------------------|-------|-------|-------|-------|-------|
|                     | 1 Row              | 2 Row | in    | mm    | in    | mm    |
| 02                  | 2                  | 4     | .100  | 2.54  | .220  | 5.58  |
| 03                  | 3                  | 6     | .200  | 5.08  | .320  | 8.12  |
| 04                  | 4                  | 8     | .300  | 7.62  | .420  | 10.66 |
| 05                  | 5                  | 10    | .400  | 10.16 | .520  | 13.20 |
| 06                  | 6                  | 12    | .500  | 12.70 | .620  | 15.74 |
| 07                  | 7                  | 14    | .600  | 15.24 | .720  | 18.28 |
| 08                  | 8                  | 16    | .700  | 17.78 | .820  | 20.82 |
| 09                  | 9                  | 18    | .800  | 20.32 | .920  | 23.36 |
| 10                  | 10                 | 20    | .900  | 22.86 | 1.020 | 25.90 |
| 11                  | 11                 | 22    | 1.000 | 25.40 | 1.120 | 28.44 |
| 12                  | 12                 | 24    | 1.100 | 27.94 | 1.220 | 30.98 |
| 13                  | 13                 | 26    | 1.200 | 30.48 | 1.320 | 33.52 |
| 14                  | 14                 | 28    | 1.300 | 33.02 | 1.420 | 36.06 |
| 15                  | 15                 | 30    | 1.400 | 35.56 | 1.520 | 38.60 |
| 16                  | 16                 | 32    | 1.500 | 38.10 | 1.620 | 41.14 |
| 17                  | 17                 | 34    | 1.600 | 40.64 | 1.720 | 43.68 |
| 18                  | 18                 | 36    | 1.700 | 43.18 | 1.820 | 46.22 |
| 19                  | 19                 | 38    | 1.800 | 45.72 | 1.920 | 48.76 |
| 20                  | 20                 | 40    | 1.900 | 48.26 | 2.020 | 51.30 |
| 21                  | 21                 | 42    | 2.000 | 50.80 | 2.120 | 53.84 |

| NUMBER OF POSITIONS | NUMBER OF CONTACTS |       | A     |       | B     |        |
|---------------------|--------------------|-------|-------|-------|-------|--------|
|                     | 1 Row              | 2 Row | in    | mm    | in    | mm     |
| 22                  | 22                 | 44    | 2.100 | 53.34 | 2.220 | 56.38  |
| 23                  | 23                 | 46    | 2.200 | 55.88 | 2.320 | 58.92  |
| 24                  | 24                 | 48    | 2.300 | 58.42 | 2.420 | 61.46  |
| 25                  | 25                 | 50    | 2.400 | 60.96 | 2.520 | 64.00  |
| 26                  | 26                 | 52    | 2.500 | 63.50 | 2.620 | 66.54  |
| 27                  | 27                 | 54    | 2.600 | 66.04 | 2.720 | 69.08  |
| 28                  | 28                 | 56    | 2.700 | 68.58 | 2.820 | 71.62  |
| 29                  | 29                 | 58    | 2.800 | 71.12 | 2.920 | 74.16  |
| 30                  | 30                 | 60    | 2.900 | 73.66 | 3.020 | 76.70  |
| 31                  | 31                 | 62    | 3.000 | 76.20 | 3.120 | 79.24  |
| 32                  | 32                 | 64    | 3.100 | 78.74 | 3.220 | 81.78  |
| 33                  | 33                 | 66    | 3.200 | 81.28 | 3.320 | 84.32  |
| 34                  | 34                 | 68    | 3.300 | 83.82 | 3.420 | 86.86  |
| 35                  | 35                 | 70    | 3.400 | 86.36 | 3.520 | 89.40  |
| 36                  | 36                 | 72    | 3.500 | 88.90 | 3.620 | 91.94  |
| 37                  | 37                 | 74    | 3.600 | 91.44 | 3.720 | 94.48  |
| 38                  | 38                 | 76    | 3.700 | 93.98 | 3.820 | 97.02  |
| 39                  | 39                 | 78    | 3.800 | 96.52 | 3.920 | 99.56  |
| 40                  | 40                 | 80    | 3.900 | 99.06 | 4.020 | 102.10 |

## Looking for pricing, stock, or lifecycle information?

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-  [Sullins Connector Solutions](#) Information

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