



**MATERIAL**  
 INSULATOR: GLASS-REINFORCED THERMOPLASTIC.  
 CONTACT: COPPER ALLOY.  
 PLATING: ALL TIN, LEAD FREE.

**ELECTRICAL**  
 CURRENT RATING: 0.5 AMP.  
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC MIN.  
 INSULATION RESISTANCE: 1000 MEGAOHMS MIN.  
 CONTACT RESISTANCE: 30 MILLIOHMS MAX.

**ENVIRONMENTAL**  
 TEMPERATURE RANGE: -55°C TO 85°C.

**PART NO.**  
 BL108-XX R-0X  
 Series No. | Packing Option  
 No. Of Circuits | RIGHT ANGLE 90° (PARALLEL TYPE) (NORMAL TYPE)

**DIMENSION TABLE**

| Circuits | Dimension |      |    | Circuits | Dimension |      |    |
|----------|-----------|------|----|----------|-----------|------|----|
|          | A         | B    | C  |          | A         | B    | C  |
| 2        | 1.00      | 3.1  | 5  | 20       | 19.00     | 21.1 | 23 |
| 3        | 2.00      | 4.1  | 6  | 21       | 20.00     | 22.1 | 24 |
| 4        | 3.00      | 5.1  | 7  | 22       | 21.00     | 23.1 | 25 |
| 5        | 4.00      | 6.1  | 8  | 23       | 22.00     | 24.1 | 26 |
| 6        | 5.00      | 7.1  | 9  | 24       | 23.00     | 25.1 | 27 |
| 7        | 6.00      | 8.1  | 10 | 25       | 24.00     | 26.1 | 28 |
| 8        | 7.00      | 9.1  | 11 | 26       | 25.00     | 27.1 | 29 |
| 9        | 8.00      | 10.1 | 12 | 27       | 26.00     | 28.1 | 30 |
| 10       | 9.00      | 11.1 | 13 | 28       | 27.00     | 29.1 | 31 |
| 11       | 10.00     | 12.1 | 14 | 29       | 28.00     | 30.1 | 32 |
| 12       | 11.00     | 13.1 | 15 | 30       | 29.00     | 31.1 | 33 |
| 13       | 12.00     | 14.1 | 16 | 31       | 30.00     | 32.1 | 34 |
| 14       | 13.00     | 15.1 | 17 | 32       | 31.00     | 33.1 | 35 |
| 15       | 14.00     | 16.1 | 18 | 33       | 32.00     | 34.1 | 36 |
| 16       | 15.00     | 17.1 | 19 | 34       | 33.00     | 35.1 | 37 |
| 17       | 16.00     | 18.1 | 20 | 35       | 34.00     | 36.1 | 38 |
| 18       | 17.00     | 19.1 | 21 | 36       | 35.00     | 37.1 | 39 |
| 19       | 18.00     | 20.1 | 22 |          |           |      |    |

TOLERANCES: ±0.05  
 RECOMMENDED PCB LAYOUT

RoHS Compliant FPC/FFC T=0.30±0.05

| RECOMMENDED PCB LAYOUT |         |         |             | TOLERANCE |        | TITLE: FPC/FFC 1.0 PITCH NON ZIF SIDE ENTRY DUAL CONTACT DIP TYPE - STANDARD PCB LAYOUT |         |
|------------------------|---------|---------|-------------|-----------|--------|---|---------|
| D                      |         | Willson | May.25.2006 | LINEAR    | ANGLES |   |         |
| C                      |         | Willson | Feb.28.2005 | X±0.40    | X'±    |   |         |
| B                      | 93038   | Willson | Dec.30.2004 | .X±0.30   | .X'±   | APPD: Jason   | MAT'L:  |
| AO                     |         | Willson | Dec.28.2004 | .XX±0.20  | .XX'±  | CHKD: Schumi  | FINISH: |
| REV                    | ECN NO. | NAME    | DATE        | .XXX±0.10 | .XXX'± | DRWN: Willson   | Q'TY:   |
|                        |         |         |             |           |        | PART NO. BL108-XX R   |         |
|                        |         |         |             |           |        | DWG NO. BL108-XX R  |         |
|                        |         |         |             |           |        | UNITS: MM   |         |
|                        |         |         |             |           |        | SCALE: 1:1  |         |
|                        |         |         |             |           |        | SHEET: 1 OF 1   |         |
|                        |         |         |             |           |        | REV: D  |         |