



- 1 MATERIAL  
 HOUSING: THERMOPLASTIC, UL 94V-0 RATED, COLOR BLACK.  
 METAL SHELL: CARBON STEEL.  
 BRACKET: ZINC.  
 CONTACTS: PHOSPHOR BRONZE.
- 2 FINISH  
 SHELL: 5.08µm [.000200] MIN NICKEL OVER 1.27µm [.000050] MIN COPPER.  
 BRACKET: NICKEL.  
 CONTACTS: EITHER 0.76µm [.000030] MIN GOLD OR GOLD FLASH OVER PALLADIUM NICKEL, 0.76µm [.000030] MIN TOTAL ON MATING END. 3.05µm [.000120] TIN ON SOLDER LEAD, ALL OVER 1.27µm [.000050] NICKEL UNDERPLATE.
- 3 ACTUAL HOLE SIZE USED WILL DEPEND ON TRACE ROUTING REQUIREMENTS BETWEEN HOLES AND CONNECTOR PLACEMENT TECHNIQUE.

P.C. BOARD MOUNTING DIMENSIONS  
(CONNECTOR SIDE)

| PWB PATTERN | R             | P             | N             | M             | L             | NO. OF POSN | PART NO.    |
|-------------|---------------|---------------|---------------|---------------|---------------|-------------|-------------|
| X           | 96.90 [3.815] | 74.93 [2.950] | 79.15 [3.116] | 86.74 [3.415] | 90.93 [3.580] | 120         | 1-5749069-0 |
| X           | 84.20 [3.315] | 62.23 [2.450] | 66.45 [2.616] | 74.04 [2.915] | 78.23 [3.080] | 100         | 5749069-9   |
| X           | 71.50 [2.815] | 49.53 [1.950] | 53.75 [2.116] | 61.34 [2.415] | 65.53 [2.580] | 80          | 5749069-8   |
| X           | 63.88 [2.515] | 41.91 [1.650] | 46.13 [1.816] | 53.72 [2.115] | 57.91 [2.280] | 68          | 5749069-7   |
| X           | 58.80 [2.315] | 36.83 [1.450] | 41.05 [1.616] | 48.64 [1.915] | 52.83 [2.080] | 60          | 5749069-6   |
| Y           | 52.45 [2.065] | 30.48 [1.200] | 34.70 [1.366] | 42.29 [1.665] | 46.48 [1.830] | 50          | 5749069-5   |
| X           | 46.10 [1.815] | 24.13 [.950]  | 28.34 [1.116] | 35.94 [1.415] | 40.13 [1.580] | 40          | 5749069-4   |
| X           | 38.48 [1.515] | 16.51 [.650]  | 20.73 [.816]  | 28.32 [1.115] | 32.51 [1.280] | 28          | 5749069-3   |
| Y           | 37.21 [1.465] | 15.24 [.600]  | 19.46 [.766]  | 27.05 [1.065] | 31.24 [1.230] | 26          | 5749069-2   |
| X           | 33.40 [1.315] | 11.43 [.450]  | 15.65 [.616]  | 23.24 [.915]  | 27.43 [1.080] | 20          | 5749069-1   |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                         |  |                           |                       |                            |                  |
|-------------------------|--|---------------------------|-----------------------|----------------------------|------------------|
| DIMENSIONS: mm [INCHES] | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DWN: S. MCMMASTER 12MAY04 | CHK: S. SHUEY 12MAY04 | APPRO: M. WALMSLEY 12MAY04 | NAME: MCMMASTER  |
| 0 PLC ± -               | 1 PLC ± -                              | 2 PLC ± 0.12(.005)        | 3 PLC ± -             | 4 PLC ± -                  | ANGLES ± -       |
| MATERIAL: 1             | FINISH: 2                              | SIZE: A1                  | CAGE CODE: 00779      | DRAWING NO: 5749069        | RESTRICTED TO: - |
| CUSTOMER DRAWING        |  |                           | SCALE: 4:1            | SHEET: 1 OF 1              | REV: B           |

RECEPTACLE ASSEMBLY, SHIELDED, VERTICAL, RAILED, AMPLIMITE .050 Series

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