



- 1 MATERIAL:  
 RECEPTACLE CONTACTS- PHOSPHOR BRONZE  
 RECEPTACLE SHELL- STEEL  
 RECEPTACLE HOUSING AND TERMINATING COVERS- UL V-0 RATED THERMOPLASTIC, COLOR: BLACK.
- 2 FINISH:  
 RECEPTACLE CONTACTS - EITHER 0.76µm [.000030] MINIMUM GOLD PLATE OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, 0.76µm [.000030] MINIMUM TOTAL IN CONTACT AREA, 1.27µm [.000050] MINIMUM BRIGHT TIN PLATE IN TERMINATION AREA, ALL OVER 1.27µm [.000050] MINIMUM NICKEL.  
 RECEPTACLE SHELL- 5.08µm [.000200] MINIMUM BRIGHT NICKEL PLATE OVER 1.27µm [.000050] MINIMUM COPPER.
- 3. RECOMMENDED WIRE: 28 AWG OR 30 AWG, SOLID OR 7 STRANDED, WITH A 0.74-0.91 [.029-.036] INSULATION DIA, WIRE MUST BE APPROVED BY AMP INCORPORATED.
- 4 TERMINATING COVERS ARE PACKAGED SEPERATELY.

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|                  |                |                  |                  |                  |    |            |           |
|------------------|----------------|------------------|------------------|------------------|----|------------|-----------|
| 31.12<br>[1.225] | 9.47<br>[.373] | 71.86<br>2.829   | 64.45<br>[2.616] | 62.23<br>[2.450] | 49 | 100        | 5749699-8 |
| 20.96<br>[.825]  | 7.44<br>[.293] | 51.54<br>[2.029] | 46.13<br>[1.816] | 41.91<br>[1.650] | 33 | 68         | 5749699-7 |
| 15.24<br>[.600]  | 7.44<br>[.293] | 40.11<br>[1.579] | 34.70<br>[1.366] | 30.48<br>[1.200] | 24 | 50         | 5749699-5 |
| 12.06<br>[.475]  | 7.44<br>[.293] | 33.76<br>[1.329] | 28.35<br>[1.116] | 24.13<br>[.950]  | 19 | 40         | 5749699-4 |
| F                | E              | D                | C                | B                | A  | NO OF POSN | PART NO   |

|  |               |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
|--|---------------|---|-----|---|-----|-------|---------------|-------|-----|-------|-----|--------|-----|--|--|------|-------------|--------------|----------|------------------|-----------|--------|---|--|--|------|----|-----------|-------|------------|---------|---------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |               | DIN G. ATTADIA - 02-23-05<br>S. SHUEFY - 02-23-05 |     | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| DIMENSIONS:<br>mm [INCHES]   |               | TOLERANCES UNLESS OTHERWISE SPECIFIED:            |     | Tyco Electronics  |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| <table border="1"> <tr><td>0 PLC</td><td>± -</td></tr> <tr><td>1 PLC</td><td>± -</td></tr> <tr><td>2 PLC</td><td>± 0.13 [.005]</td></tr> <tr><td>3 PLC</td><td>± -</td></tr> <tr><td>4 PLC</td><td>± -</td></tr> <tr><td>ANGLES</td><td>± -</td></tr> </table> |               | 0 PLC   | ± - | 1 PLC   | ± - | 2 PLC | ± 0.13 [.005] | 3 PLC | ± - | 4 PLC | ± - | ANGLES | ± - | <table border="1"> <tr><td>NAME</td><td>M. WALMSLEY</td></tr> <tr><td>PRODUCT SPEC</td><td>108-1228</td></tr> <tr><td>APPLICATION SPEC</td><td>114-40029</td></tr> <tr><td>WEIGHT</td><td>-</td></tr> </table> |  | NAME | M. WALMSLEY | PRODUCT SPEC | 108-1228 | APPLICATION SPEC | 114-40029 | WEIGHT | - | <table border="1"> <tr><td>SIZE</td><td>A1</td></tr> <tr><td>CAGE CODE</td><td>00779</td></tr> <tr><td>DRAWING NO</td><td>5749699</td></tr> <tr><td>RESTRICTED TO</td><td>-</td></tr> </table> |  | SIZE | A1 | CAGE CODE | 00779 | DRAWING NO | 5749699 | RESTRICTED TO | - |
| 0 PLC  | ± -           |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| 1 PLC  | ± -           |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| 2 PLC  | ± 0.13 [.005] |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| 3 PLC  | ± -           |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| 4 PLC  | ± -           |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| ANGLES   | ± -           |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| NAME   | M. WALMSLEY   |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| PRODUCT SPEC   | 108-1228      |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| APPLICATION SPEC   | 114-40029     |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| WEIGHT   | -             |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| SIZE   | A1            |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| CAGE CODE  | 00779         |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| DRAWING NO   | 5749699       |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| RESTRICTED TO  | -             |   |     |   |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
| MATERIAL 1   |               | FINISH 2  |     | CUSTOMER DRAWING  |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |
|  |               | SCALE 4:1   |     | SHEET 1 OF 1 REV B  |     |       |               |       |     |       |     |        |     |  |  |      |             |              |          |                  |           |        |   |  |  |      |    |           |       |            |         |               |   |