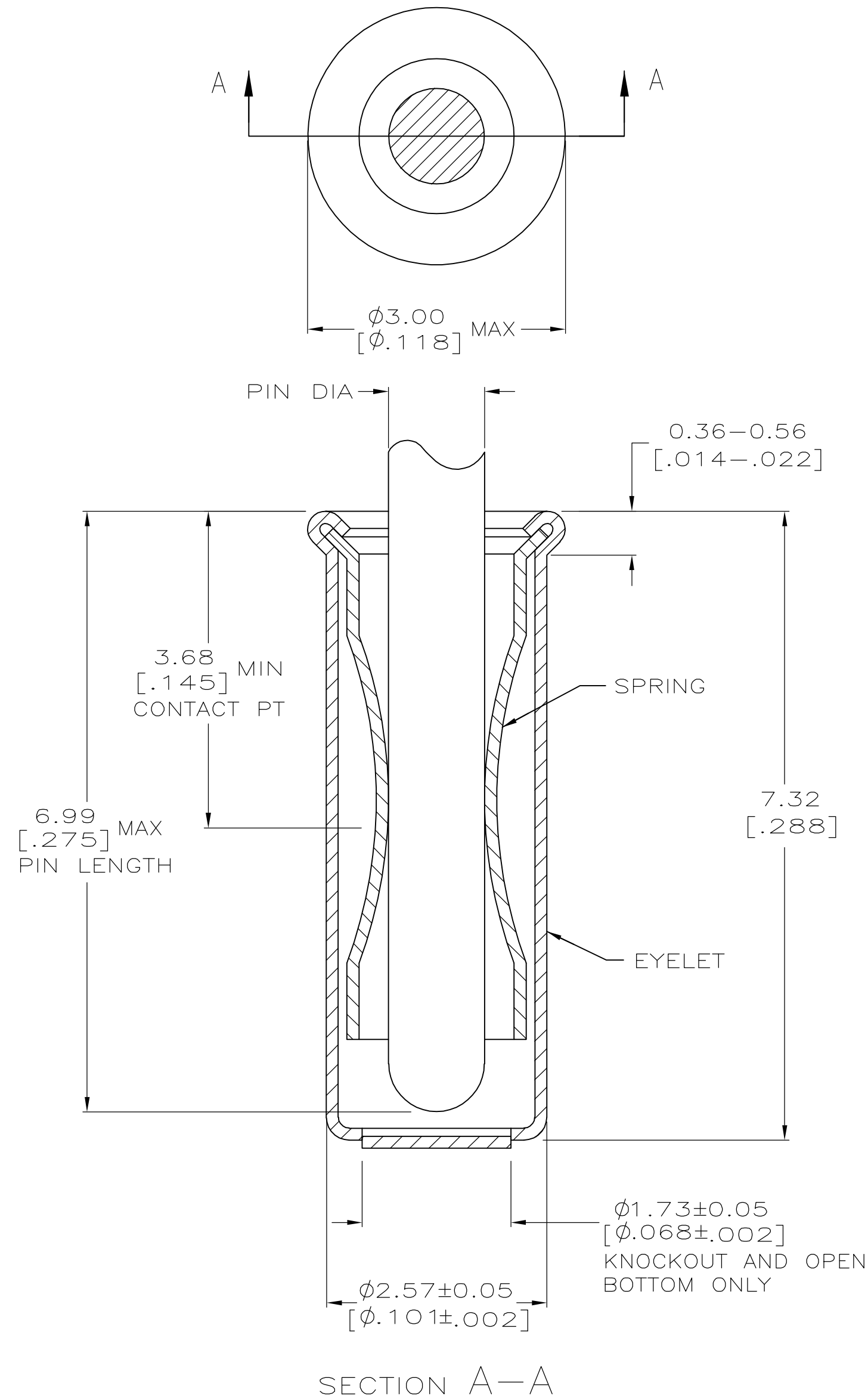




- ① TIN PLATE PER ASTM B 545 .0.00254 [.000100] MIN THICK.
- ② GOLD PER ASTM B 488, 0.00076 [.000030] MIN THICK  
OVER NICKEL PLATE PER QQ-N-290 0.00028 [.000011] MIN  
THICK ON CONTACT AREA.
3. RECOMMENDED HOLE SIZE, PLATED OR UNPLATED:  
MACHINE INSERTION:  $2.56 \pm 0.08$  [.101  $\pm$ .003]  
HAND INSERTION:  $2.62^{+0.10}_{-0.00}$  [.103  $^{+.004}_{-.000}$ ]
4. APPLICATION TOOL PART NUMBER:  
MACHINE NO. 682127-6  
INSERTION HEAD NO. 682039-5
- ⑤ TO INSURE PROPER SPRING TENSION DO NOT EXCEED A 0.05 [.002]  
DIFFERENCE IN PIN DIA WHEN CHANGING TO A SMALLER PIN.
6. BOTTOM PLUG KNOCKOUT TOOL PART NUMBER 69729 WITH TIP  
PART NUMBER 69728-3.
- ⑦ MATERIAL: SPRING: BERYLLIUM COPPER PER ASTM B 194  
EYELET: COPPER PER ASTM B 152

|             |                                                                                                           |                                                                                            |                                                                                            |                                                                                            |                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| OPEN        | 1.42—1.65 [.056—.065]                                                                                     | TIN   | TIN   | 2—5050871—4                                                                                |                                                                                           |
| CLOSED      |                                                                                                           |                                                                                            | GOLD  | 2—5050871—3                                                                                |                                                                                           |
| KNOCKOUT    |                                                                                                           |                                                                                            |                                                                                            | 2—5050871—1                                                                                |                                                                                           |
| OPEN        | 1.27—1.45 [.050—.057]                                                                                     |                                                                                            | TIN   | GOLD  | 1—5050871—9                                                                               |
| CLOSED      | 1.07—1.24 [.042—.049]                                                                                     |                                                                                            |                                                                                            |                                                                                            | TIN  |
| OPEN        |                                                                                                           |                                                                                            | GOLD  | 5050871—8                                                                                  |                                                                                           |
| CLOSED      |                                                                                                           |                                                                                            |                                                                                            | GOLD  | 5050871—6                                                                                 |
| OPEN        |                                                                                                           |                                                                                            | GOLD  |                                                                                            | 5050871—5                                                                                 |
| CLOSED      | GOLD                 | 5050871—1                                                                                  |                                                                                            |                                                                                            |                                                                                           |
| OPEN        |                                                                                                           | GOLD  | 5050871—1                                                                                  |                                                                                            |                                                                                           |
| BOTTOM TYPE | RECOMMENDED PIN DIA  |                                                                                            | EYELET                                                                                     | SPRING                                                                                     | PART NO                                                                                   |
|             |                                                                                                           | FINISH                                                                                     |                                                                                            |                                                                                            |                                                                                           |

|                                                                                                   |  |                                                                                                                                                              |  |                                                                                                                                                    |                    |                         |                    |
|---------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                            |  | DWN 20APR2005<br>J. ALCORTA - D0CK5<br>CHK 20APR2005<br>J. HAVENER<br>APVD 20APR2005<br>J. HAVENER<br>PRODUCT SPEC<br>—<br>APPLICATION SPEC<br>—<br>WEIGHT — |  | <br>Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |                    |                         |                    |
| DIMENSIONS:<br>mm [INCHES]                                                                        |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ± —<br>1 PLC ± —<br>2 PLC ± —<br>3 PLC ± 0.20 [.008]<br>4 PLC ± —<br>ANGLES ± —<br>FINISH                    |  | NAME<br><br>MINIATURE SPRING SOCKET<br>ASSEMBLY<br>SERIES 5                                                                                        |                    |                         |                    |
|              |  |                                                                                                                                                              |  |                                                                                                                                                    |                    |                         |                    |
| MATERIAL<br> |  | SEE TABLE                                                                                                                                                    |  | SIZE<br>A2                                                                                                                                         | CAGE CODE<br>00779 | DRAWING NO<br>C-5050871 | RESTRICTED TO<br>— |
| CUSTOMER DRAWING                                                                                  |  |                                                                                                                                                              |  | SCALE<br>20:1                                                                                                                                      | SHEET<br>1 OF 1    | REV<br>A                |                    |