



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



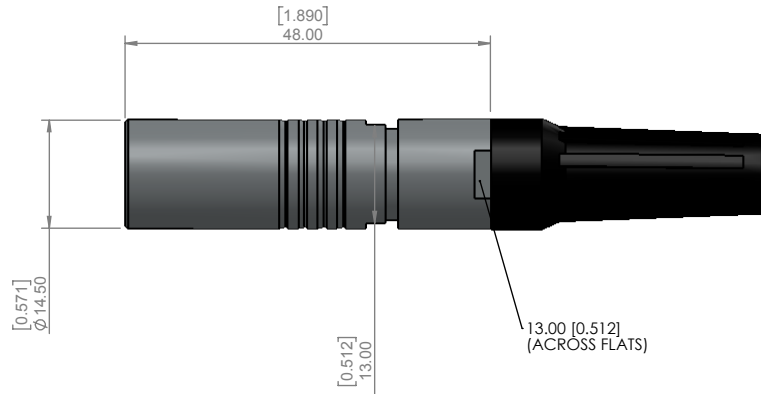
## Contact us

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CHARACTERISSTICS

MATERIALS

HOUSING : BRASS  
 HOUSING PLATING : 196µ" NICKEL MIN.  
 SHELL & COLLET NUT: BRASS, 196µ" CHROME PLATED MIN.  
 CONTACTS : COPPER ALLOY  
 CONTACT PLATING : 7µ" GOLD PLATED OVER 196µ" NICKEL MIN.  
 INSULATOR : PPS (HIGH TEMPERATURE)  
 STRAIN RELIEF(BOOT) : THERMOPLASTIC POLYURETHANE

MECHANICAL

DURABILITY: 5000 CYCLES  
 OPERATING TEMP. RANGE: -40° C ~ +200° C  
 PROCESS TEMPERATURE : 260°C FOR 5 SECONDS  
 MAX. TOURQUE VALUE : 2.5 Nm [22.1 IN/LBS]  
 SHIELDING: 75dB @ 10MHz  
 40dB @ 1GHz

IP RATING: 50

822B YYY - 2 7 3 L YY 1

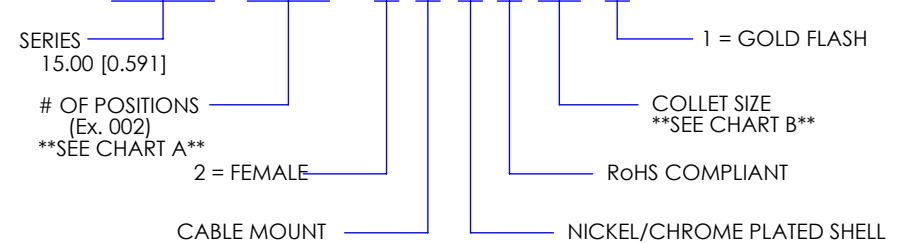


CHART A

● = KEY LOCATION

\*\*VIEW FROM TERMINATION END\*\*

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <br>2 POSITION<br>14 AWG MAX.<br>30 AMP MAX.<br>PIN Ø = 2.00 [0.079]<br><br>CONTACT RESISTANCE = 3 mΩ<br>TEST VOLTAGE = 2100V<br>WORKING VOLTAGE = 700V | <br>3 POSITION<br>18 AWG MAX.<br>17 AMP MAX.<br>PIN Ø = 1.60 [0.063] | <br>4 POSITION<br>20 AWG MAX.<br>15 AMP MAX.<br>PIN Ø = 1.30 [0.051]   | <br>6 POSITION<br>20 AWG MAX.<br>12 AMP MAX.<br>PIN Ø = 1.30 [0.051] | <br>8 POSITION<br>22 AWG MAX.<br>10 AMP MAX.<br>PIN Ø = 0.90 [0.035] |  |
| <br>10 POSITION<br>22 AWG MAX.<br>8 AMP MAX.<br>PIN Ø = 0.90 [0.035]<br><br>CONTACT RESISTANCE = 6 mΩ<br>TEST VOLTAGE = 1450V<br>WORKING VOLTAGE = 500V | <br>12 POSITION<br>24 AWG MAX.<br>7 AMP MAX.<br>PIN Ø = 0.70 [0.028] | <br>14 POSITION<br>24 AWG MAX.<br>6.5 AMP MAX.<br>PIN Ø = 0.70 [0.028] | <br>16 POSITION<br>24 AWG MAX.<br>6 AMP MAX.<br>PIN Ø = 0.70 [0.028] | <br>19 POSITION<br>24 AWG MAX.<br>5 AMP MAX.<br>PIN Ø = 0.70 [0.028] |  |
| <br>26 POSITION<br>28 AWG MAX.<br>2 AMP MAX.<br>PIN Ø = 0.50 [0.020]<br><br>CONTACT RESISTANCE = 10 mΩ<br>TEST VOLTAGE = 950V<br>WORKING VOLTAGE = 315V |  |  |  |  |  |

CHART B

| COLLET SIZE | WIRE DIAMETER                |
|-------------|------------------------------|
| 50          | 4.30 [0.169] ~ 5.20 [0.205]  |
| 60          | 5.30 [0.209] ~ 6.20 [0.244]  |
| 70          | 6.30 [0.248] ~ 7.20 [0.283]  |
| 80          | 7.30 [0.287] ~ 8.20 [0.323]  |
| 90          | 8.30 [0.327] ~ 9.20 [0.362]  |
| 00          | 9.30 [0.366] ~ 10.20 [0.402] |

RoHS COMPLIANT

|  |   |                  |           |          |         |       |                 |      |  |
|--|---|------------------|-----------|----------|---------|-------|-----------------|------|--|
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|  |   |                  | M. SIGMON | 02-03-16 | N.T.S.  | 1     | 1               | 6    |  |
|  |   |                  | CHECKED:  | DATE:    | DWG NO. |       | 822BYYY-273LYY1 |      |  |