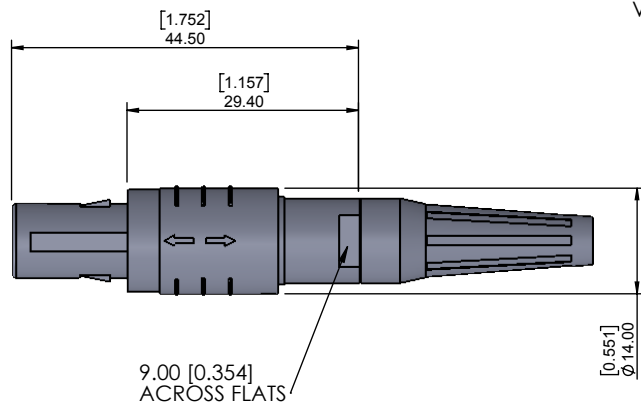
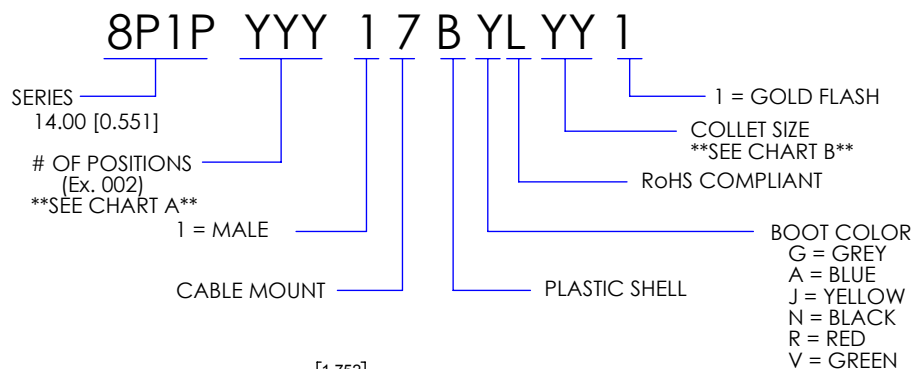




**THE DATASHEET OF  
8P1P00517BGL521**





**CHARACTERISTICS**

**MATERIALS**

HOUSING : ABS+PC  
 HOUSING COLOR : GREY  
 BOOT/SLEEVE : THERMOPLASTIC POLYURETHANE  
 CONTACTS : COPPER ALLOY  
 CONTACT PLATING : 7µ" GOLD PLATED OVER 196µ" NICKEL MIN.  
 INSULATOR : PPS (HIGH TEMPERATURE)

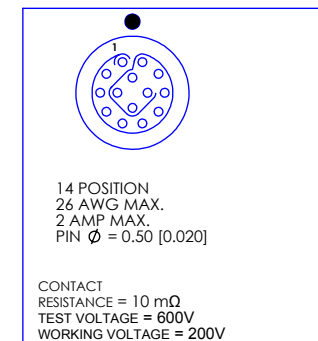
**MECHANICAL**

DURABILITY: 2000 CYCLES  
 OPERATING TEMP. RANGE: -20° C ~ +120° C  
 PROCESS TEMPERATURE : 260°C FOR 5 SECONDS  
 MAX. TORQUE VALUE: 0.5Nm [4.4 IN/LBS]

IP RATING: 50

**CHART B**

| COLLET SIZE | WIRE DIAMETER               |
|-------------|-----------------------------|
| 42          | 2.20 [0.087] ~ 4.00 [0.157] |
| 52          | 4.00 [0.157] ~ 5.00 [0.197] |
| 62          | 5.00 [0.197] ~ 6.00 [0.236] |



**CHART A**

● = KEY LOCATION

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

|   |   |  |  |  |  |  |  |   |
|---|---|--|--|--|--|--|--|---|
| <br>2 POSITION<br>22 AWG MAX.<br>10 AMP MAX.<br>PIN Ø = 1.30 [0.051]<br>CONTACT RESISTANCE = 5 mΩ<br>TEST VOLTAGE = 1200V<br>WORKING VOLTAGE = 400V | <br>3 POSITION<br>22 AWG MAX.<br>10 AMP MAX.<br>PIN Ø = 1.30 [0.051]<br>CONTACT RESISTANCE = 5 mΩ<br>TEST VOLTAGE = 1200V<br>WORKING VOLTAGE = 400V | <br>4 POSITION<br>22 AWG MAX.<br>8 AMP MAX.<br>PIN Ø = 0.90 [0.035]<br>CONTACT RESISTANCE = 6 mΩ<br>TEST VOLTAGE = 1200V<br>WORKING VOLTAGE = 400V | <br>5 POSITION<br>22 AWG MAX.<br>7 AMP MAX.<br>PIN Ø = 0.90 [0.035]<br>CONTACT RESISTANCE = 6 mΩ<br>TEST VOLTAGE = 1050V<br>WORKING VOLTAGE = 350V | <br>6 POSITION<br>24 AWG MAX.<br>6 AMP MAX.<br>PIN Ø = 0.70 [0.028]<br>CONTACT RESISTANCE = 7.5 mΩ<br>TEST VOLTAGE = 1050V<br>WORKING VOLTAGE = 350V | <br>7 POSITION<br>24 AWG MAX.<br>5 AMP MAX.<br>PIN Ø = 0.70 [0.028]<br>CONTACT RESISTANCE = 7.5 mΩ<br>TEST VOLTAGE = 1050V<br>WORKING VOLTAGE = 350V | <br>8 POSITION<br>24 AWG MAX.<br>5 AMP MAX.<br>PIN Ø = 0.70 [0.028]<br>CONTACT RESISTANCE = 7.5 mΩ<br>TEST VOLTAGE = 1050V<br>WORKING VOLTAGE = 350V | <br>9 POSITION<br>26 AWG MAX.<br>3 AMP MAX.<br>PIN Ø = 0.50 [0.020]<br>CONTACT RESISTANCE = 10 mΩ<br>TEST VOLTAGE = 850V<br>WORKING VOLTAGE = 280V | <br>10 POSITION<br>26 AWG MAX.<br>3 AMP MAX.<br>PIN Ø = 0.50 [0.020]<br>CONTACT RESISTANCE = 10 mΩ<br>TEST VOLTAGE = 850V<br>WORKING VOLTAGE = 280V |
|---|---|--|--|--|--|--|--|---|

**RoHS COMPLIANT**



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**NorComp**

|                             |                   |                  |                 |           |
|-----------------------------|-------------------|------------------|-----------------|-----------|
| DRAWN:<br>M. SIGMON         | DATE:<br>10-04-16 | SCALE:<br>N.T.S. | SHEET<br>1 OF 1 | REV:<br>2 |
| DWG NO.<br>8P1PYYY17BYL YY1 |                   |                  |                 |           |

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