

820B    YYY - 2 0 3 R F0 1

SERIES 9.50 [0.374]

# OF POSITIONS (Ex. 002) \*\*SEE CHART A\*\*

2= FEMALE

SOLDER CUP (PANEL MOUNT)

1 = GOLD FLASH

FIXED FRONT NUT

RoHS COMPLIANT

NICKEL/CHROME PLATED SHELL

CHARACTERISSTICS

MATERIALS

SHELL : BRASS

SHELL PLATING : NICKEL

NUT : BRASS

NUT PLATING : NICKEL

LATCH SLEEVE : BRASS

LATCH SLEEVE PLATING : NICKEL

CONTACTS : COPPER ALLOY

CONTACT PLATING : 7µ" GOLD PLATED OVER 196µ" NICKEL MIN.

INSULATOR : PPS (HIGH TEMPERATURE)

MECHANICAL

DURABILITY: 5000 CYCLES

OPERATING TEMP. RANGE: -40° C ~ +200° C

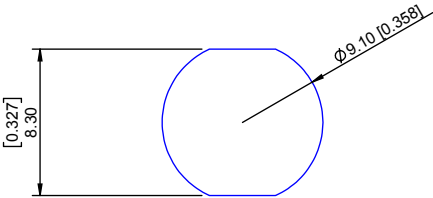
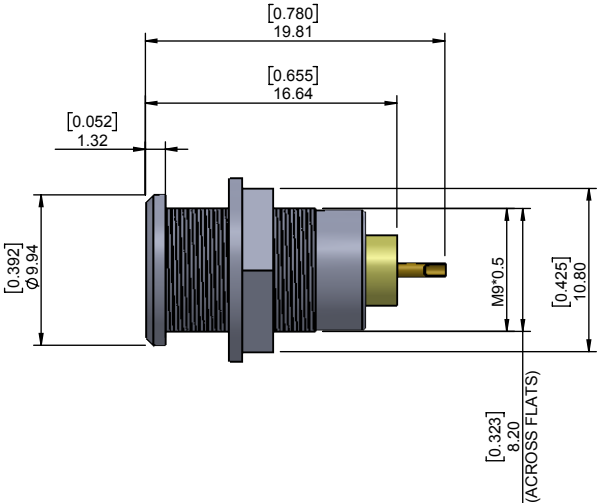
PROCESS TEMPERATURE : 260°C FOR 5 SECONDS

MAX. TORQUE VALUE : 2.5 Nm [22.1 IN/lbs]

SHIELDING: 75dB @ 10MHz

40dB @ 1GHz

IP RATING: 50



PANEL CUTOUT

TOLERANCE = +0.10, -0.0  
[+0.004, -0.00]

MAX PANEL THICKNESS = 5.50 [0.217]

CHART A

● = KEY LOCATION

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

|                                                                                |                                                                                |                                                                                 |                                                                                 |                                                                                |                                                                                |                                                                                |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                                                                |                                                                                |                                                                                 |                                                                                 |                                                                                |                                                                                |                                                                                |
| 2 POSITION<br>22 AWG MAX.<br>10 AMP MAX.<br>PIN Ø = 0.90 [0.035]               | 3 POSITION<br>22 AWG MAX.<br>8 AMP MAX.<br>PIN Ø = 0.90 [0.035]                | 4 POSITION<br>24 AWG MAX.<br>7 AMP MAX.<br>PIN Ø = 0.70 [0.028]                 | 5 POSITION<br>24 AWG MAX.<br>6.5 AMP MAX.<br>PIN Ø = 0.70 [0.028]               | 6 POSITION<br>28 AWG MAX.<br>2.5 AMP MAX.<br>PIN Ø = 0.50 [0.020]              | 7 POSITION<br>28 AWG MAX.<br>2.5 AMP MAX.<br>PIN Ø = 0.50 [0.020]              | 9 POSITION<br>28 AWG MAX.<br>2 AMP MAX.<br>PIN Ø = 0.50 [0.020]                |
| CONTACT<br>RESISTANCE = 6 mΩ<br>TEST VOLTAGE = 1000V<br>WORKING VOLTAGE = 330V | CONTACT<br>RESISTANCE = 6 mΩ<br>TEST VOLTAGE = 1200V<br>WORKING VOLTAGE = 400V | CONTACT<br>RESISTANCE = 7.5 mΩ<br>TEST VOLTAGE = 850V<br>WORKING VOLTAGE = 280V | CONTACT<br>RESISTANCE = 7.5 mΩ<br>TEST VOLTAGE = 850V<br>WORKING VOLTAGE = 280V | CONTACT<br>RESISTANCE = 10 mΩ<br>TEST VOLTAGE = 850V<br>WORKING VOLTAGE = 280V | CONTACT<br>RESISTANCE = 10 mΩ<br>TEST VOLTAGE = 800V<br>WORKING VOLTAGE = 260V | CONTACT<br>RESISTANCE = 10 mΩ<br>TEST VOLTAGE = 600V<br>WORKING VOLTAGE = 200V |

RoHS COMPLIANT

|  |                                                                                                                                                                                             |         |                      |                   |                  |                            |           |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------|-------------------|------------------|----------------------------|-----------|
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|  |                                                                                                                                                                                             |         |                      |                   |                  | DWG NO.<br>820BYYY-203RF01 |           |