## DIMENSIONS

<table>
<thead>
<tr>
<th>POSITIONS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MM</td>
<td>INCH</td>
<td>MM</td>
<td>INCH</td>
<td>MM</td>
</tr>
<tr>
<td>9</td>
<td>30.81</td>
<td>1.213</td>
<td>24.99</td>
<td>0.984</td>
<td>16.92</td>
</tr>
<tr>
<td>15</td>
<td>39.20</td>
<td>1.543</td>
<td>33.30</td>
<td>1.311</td>
<td>25.25</td>
</tr>
<tr>
<td>25</td>
<td>53.05</td>
<td>2.088</td>
<td>47.04</td>
<td>1.852</td>
<td>38.96</td>
</tr>
<tr>
<td>37</td>
<td>69.40</td>
<td>2.732</td>
<td>63.50</td>
<td>2.500</td>
<td>55.42</td>
</tr>
</tbody>
</table>

## NOTES:
- **Material**: Glass-filled Thermoplastic PBT, UL94V-0
- **Contact**: Brass
- **Shell**: SPCC, .000100" Tin over .000050" Min. Copper (Standard, see page 4)
- **Clinch Nut**: Brass, Nickel Plated
- **Boardlock**: Brass, Tin Plated
- **Screwlock**: Steel, Nickel Plated
- **Operating Temperature**: -55°C to +105°C

## ELECTRICAL
- **Contact Resistance**: 20 Milliohms Max at 1 Amp DC
- **Insulation Resistance**: 1000 Megohms at 500 VDC
- **Dielectric Withstanding Voltage**: 1000 VAC/RMS 60Hz for 1 Minute
- **Current Rating**: 3 Amps
- **Voltage Rating**: 250 VAC/RMS 60Hz
## DIMENSIONS

<table>
<thead>
<tr>
<th>POSITIONS</th>
<th>A (MM)</th>
<th>B (INCH)</th>
<th>C (MM)</th>
<th>D (INCH)</th>
<th>E (MM)</th>
<th>F (INCH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>30.81</td>
<td>1.213</td>
<td>24.99</td>
<td>0.984</td>
<td>16.92</td>
<td>0.666</td>
</tr>
<tr>
<td>15</td>
<td>39.20</td>
<td>1.543</td>
<td>33.30</td>
<td>1.311</td>
<td>25.25</td>
<td>0.994</td>
</tr>
<tr>
<td>25</td>
<td>53.05</td>
<td>2.088</td>
<td>47.04</td>
<td>1.852</td>
<td>38.96</td>
<td>1.534</td>
</tr>
<tr>
<td>37</td>
<td>69.40</td>
<td>2.732</td>
<td>63.50</td>
<td>2.500</td>
<td>55.42</td>
<td>2.182</td>
</tr>
</tbody>
</table>

### 9.4mm [0.37] FOOTPRINT

- RECOMMENDED PCB LAYOUT

### 13.84mm [0.545] FOOTPRINT

- RECOMMENDED PCB LAYOUT

---

**REMARKS:**

- TOLERANCES: X=±0.38 (0.015), Y=±0.23 (0.009), Z=±0.13 (0.005)
- DIMENSIONS ARE IN MILLIMETERS (INCHES)
- UNLESS OTHERWISE SPECIFIED: TOLERANCES ARE AS SHOWN
- PART NUMBER: SDS107-PRP2-M09-SN13-X
- TITLE: 107 SERIES D-SUB RIGHT ANGLE TYPE
- DRAWN: 07/01/2011
- DRAWN BY: LH
- NAME: 54453
- SHEET: 2 OF 4

---

**Notes:**

- This diagram contains RoHS compliant parts and is compliant with RoHS standards.
- The information herein contains proprietary information of Sullins Electronics and is not to be reproduced, used, or disclosed to others for any purpose except as specifically authorized in writing by an officer of Sullins Electronics.

---

**Sullins Electronics:**

- Company logo
- Tagline: "Connecting Solutions"
g. FLANGE MOUNTING OPTION
h. RIVET OPTIONS

2X#4-40UNC
2X 2 PRONG

2X#4-40UNC

2X#4-40UNC

2X#4-40UNC

2X#4-40UNC

#4-40UNC

4.75 [0.187]

4 [0.19]
**SDS107-PR__-___-_S N__- 1__**

a. CONTACT PLATING
   (ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE)
   W = GOLD FLASH ON CONTACT SURFACE,
   .000100" PURE TIN ON TERMINATION.
   P = GOLD FLASH OVERALL.

b. SHELL PLATING
   1 = NICKEL
   2 = TIN (STANDARD)

c. CONTACT TYPE
   M = MALE
   F = FEMALE

d. NO. OF CONTACTS
   09 = 09 POSITIONS
   15 = 15 POSITIONS
   25 = 25 POSITIONS
   37 = 37 POSITIONS

e. PIN TYPE
   S = STAMPED PIN

f. FERRITE
   N = WITHOUT FERRITE

g. FLANGE MOUNTING OPTION
   0 = Ø3.05mm (0.120) CLEARANCE HOLE (COMBINE WITH ITEM h:0 OR h:3 ONLY)
   1 = #4-40 FEMALE THREAD (COMBINE WITH h:1, h:2 OR h:3)
   2 = #4-40 UNC (4.8 X 11.8 mm [0.19 x 0.46]) FEMALE SCREWLOCK INSTALLED (COMBINE WITH h:1, h:2 OR h:3)
   3 = #4-40 UNC (4.8 X 11.8 mm [0.19 x 0.46]) FEMALE SCREWLOCK BULK-PACKED (COMBINE WITH h:1, h:2 OR h:3)
   **S = #4-40 UNC (4.8 X 11.8 mm [0.19 x 0.46]) FEMALE SCREWLOCK INSTALLED (COMBINE WITH h:3 ONLY)
   ** REMOVE SCREWLOCK TO DISASSEMBLE BOARDLOCK BRACKET

h. RIVET OPTIONS
   0 = NONE
   1 = GROUNDING STRAP ON PANEL
   2 = GROUNDING STRAP #4-40 THREADED ON PCB & PANEL
   3 = GROUNDING HOOK BOARDLOCK + 2 PRONG

i. INSULATOR COLOR
   1 = BLACK (STANDARD)

j. FOOTPRINT
   1 = 7.2mm [0.28] FOOTPRINT (AVAILABLE WITH 'W' OR 'P' PLATING)
   2 = 9.4mm [0.37] FOOTPRINT (AVAILABLE WITH 'P' PLATING ONLY)
   3 = 13.8mm [0.545] FOOTPRINT (AVAILABLE WITH 'P' PLATING ONLY)