**DIMENSIONS**

<table>
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<tr>
<th>POSITIONS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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**NOTES:**

- MATERIAL:
  - INSULATOR: GLASS-FILLED THERMOPLASTIC PBT, UL94V-0
  - CONTACT: BRASS
  - SHELL: SPCC, .000100" TIN OVER .000050" MIN. COPPER (STANDARD, SEE PAGE 3)
  - 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

**RECOMMENDED PCB LAYOUT**

- 9, 15, 25, 37 POSITIONS
  - (PN EXAMPLE: SDS101-PRW2-M09-SN00-1)

**50 POSITIONS**

- (PN EXAMPLE: SDS101-PRW2-M50-SN00-1)

**REVISIONS**

- REV. A: INITIAL RELEASE 07/01/2011 LH
- REV. B: UPDATE PART NUMBER CODING 05/10/2012 LH

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h. POSITION OF CLINCH NUT

2 X Ø3.05 [Ø0.120] CLEARANCE HOLE

CONSULT SALES OR FACTORY FOR OTHER MOUNTING STYLE OPTIONS
a. CONTACT PLATING
   (ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE)
   W = GOLD FLASH ON CONTACT SURFACE,
      .000100" PURE TIN ON TERMINATION.
   B = .000010" GOLD ON CONTACT SURFACE,
      .000100" PURE TIN ON TERMINATION.
   U = .000015" GOLD ON CONTACT SURFACE,
      .000100" PURE TIN ON TERMINATION.
   C = .000030" GOLD 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
   50 = 50 POSITIONS

e. PIN TYPE
   S = STAMPED PIN
   M = MACHINED PIN (AVAILABLE WITH "P" PLATING ONLY)

f. FERRITE
   N = WITHOUT FERRITE

g. FLANGE MOUNTING OPTION
   0 = Ø3.05mm [Ø0.120] CLEARANCE HOLE
   1 = #4-40 FEMALE THREAD
   4 = M3 FEMALE THREAD
   5 = M3 (5.0 X 10.0 mm [0.20 X 0.39]) FEMALE SCREWLOCK INSTALLED
   8 = #4-40 UNC (5.0 X 10.0 mm [0.20 X 0.39]) FEMALE SCREWLOCK INSTALLED
   9 = #4-40 UNC (5.0 X 10.0 mm [0.20 X 0.39]) FEMALE SCREWLOCK BULK-PACKED

h. POSITION OF CLINCH NUT (SEE PAGE 2 FOR DETAILS)
   0 = Ø3.05 mm [Ø0.120] CLEARANCE HOLE
   1 = FRONT RIVET, 5.9 mm [0.23]
   2 = REAR RIVET, 5.9 mm [0.23]
   3 = RIVET+2 PRONG BOARDLOCK Ø3.2 X 6.0 L [ Ø0.13 X 0.24]

i. INSULATOR COLOR
   1 = BLACK (STANDARD)
   2 = BLUE
   6 = WHITE

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM [INCHES]
TOLERANCES:
ANGULAR: ± 3°
DECIMALS:
X=±0.038 [0.15]
X=±0.038 [0.15]
XX=±0.13 [0.05]

FILE NAME: 11746, SDS101-PR