



**D-Sub Right Angle Type - 107 SERIES**

**SPECIFICATIONS**

**Material**

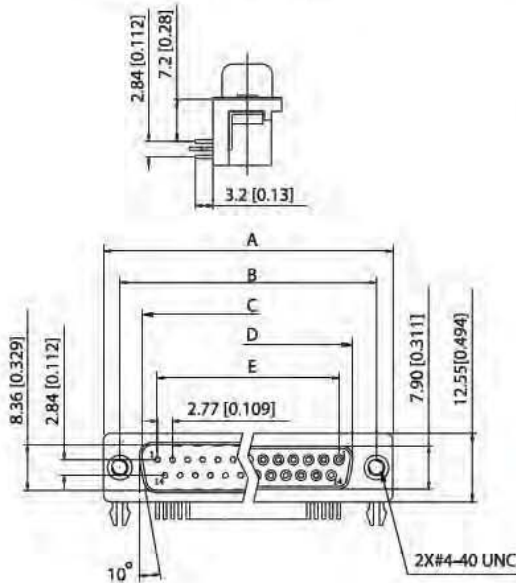
- Insulator: Glass-Filled Thermoplastic PBT, UL 94V-0
- Contact: Brass
- Clinch Nut: Brass, Nickel Plated
- Boardlock: Brass, Tin Plated
- Screwlock: Steel, Nickel Plated

**Electrical**

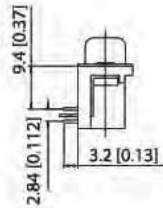
- Contact Resistance: 20m OHMs Max at 1 Amp DC.
- Insulation Resistance: 1000 MagOHMs at 500 VDC.
- Dielectric withstanding Voltage: 1000 Vac/Rms 60Hz for 1 Minute
- Current Rating: 3 Amps
- Voltage Rating: 250 Vac/Rms 60Hz

**DIMENSIONS** With 7.2mm[0.28"], 9.4mm[0.37"], 13.84mm[0.545"] Footprint

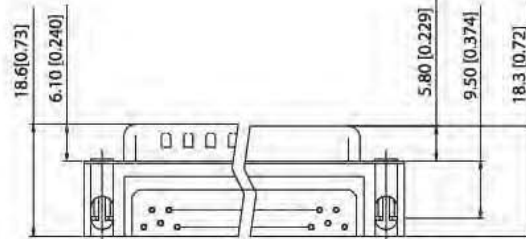
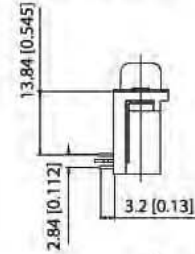
**7.2mm[0.28"] Footprint**



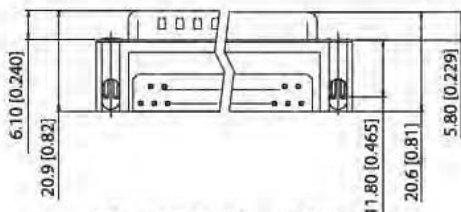
**9.4mm[0.37"] Footprint**



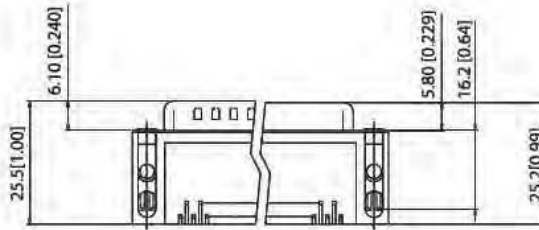
**13.84mm[0.545"] Footprint**



**7.2mm[0.28"] Footprint**



**9.4mm[0.37"] Footprint**



**13.84mm[0.545"] Footprint**

Positions	A		B		C		D		E		F	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
9	30.81	1.213	24.99	0.984	16.92	0.666	16.33	0.643	11.08	0.436	11.08	0.436
15	39.20	1.543	33.30	1.311	25.25	0.994	24.70	0.972	19.39	0.763	19.39	0.763
25	53.05	2.088	47.04	1.852	38.96	1.534	38.40	1.512	33.24	1.309	33.24	1.309
37	69.40	2.732	63.50	2.500	55.42	2.182	54.80	2.158	49.86	1.963	49.86	1.963



**SPECIFICATIONS**

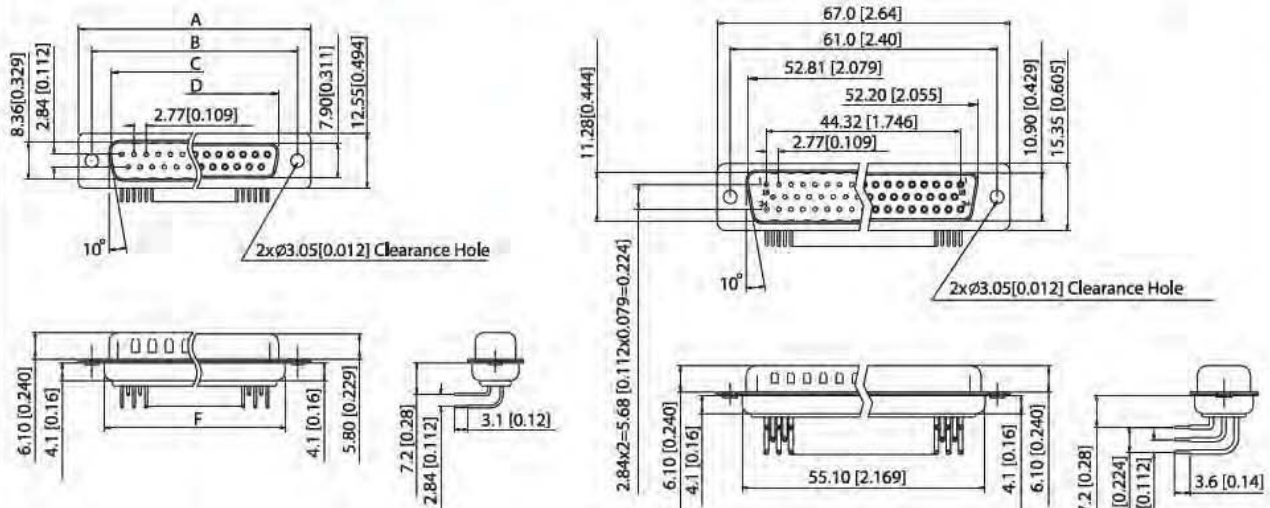
**Material**

- Insulator: Glass-Filled Thermoplastic PBT, UL 94V-0
- Contact: Brass
- Clinch Nut: Brass, Nickel Plated
- Boardlock: Brass, Tin Plated
- Screwlock: Steel, Nickel Plated

**Electrical**

- Contact Resistance: 20m OHMs Max at 1 Amp DC.
- Insulation Resistance: 1000 MagOHMs at 500 VDC.
- Dielectric withstanding Voltage: 1000 Vac/Rms 60Hz for 1 Minute
- Current Rating: 3 Amps
- Voltage Rating: 250 Vac/Rms 60Hz

**DIMENSIONS** With 7.2mm[0.28"] Footprint Machined Pin (W/O Rear Cover) & 50 Positions Machined Pin (W/O Rear Cover)

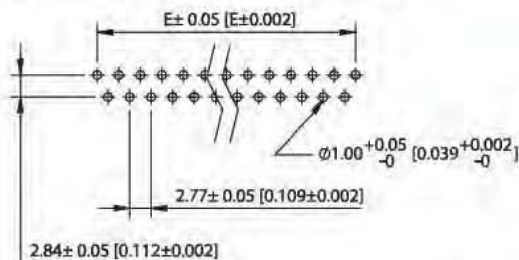


**7.2mm[0.28"] Footprint Machined Pin (W/O Rear Cover)**

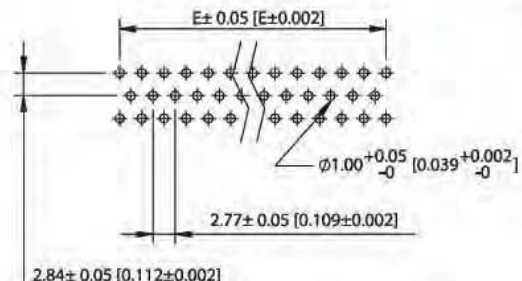
**50 Positions Machined Pin (W/O Rear Cover)**

Positions	A		B		C		D		E		F	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
<b>9</b>	30.81	1.213	24.99	0.984	16.92	0.666	16.33	0.643	11.08	0.436	19.20	0.756
<b>15</b>	39.20	1.543	33.30	1.311	25.25	0.994	24.70	0.972	19.39	0.763	27.70	1.091
<b>25</b>	53.05	2.088	47.04	1.852	38.96	1.534	38.40	1.512	33.24	1.309	41.10	1.618
<b>37</b>	69.40	2.732	63.50	2.500	55.42	2.182	54.80	2.158	49.86	1.963	57.30	2.256

**RECOMMENDED PCB LAYOUT**



**7.2mm[0.28"] Footprint Machined Pin (W/O Rear Cover)**



**50 Positions Machined Pin (W/O Rear Cover)**





**D-Sub Right Angle Type - 107 SERIES**

**SPECIFICATIONS**

**Material**

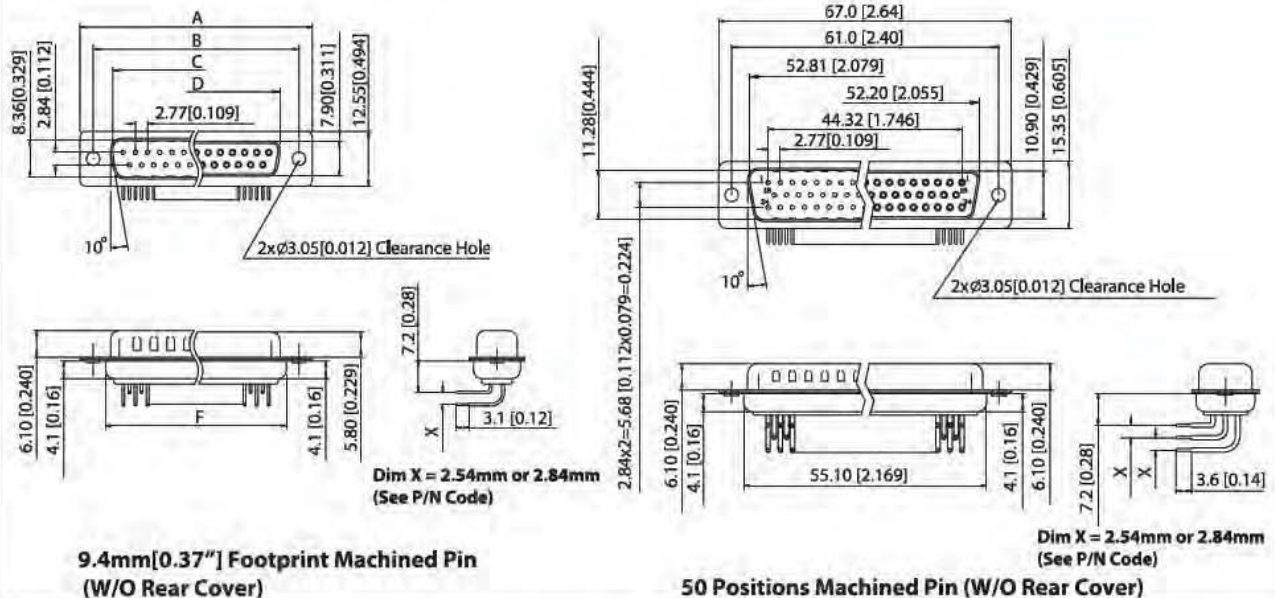
- Insulator: Glass-Filled Thermoplastic PBT, UL 94V-0
- Contact: Brass
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- Boardlock: Brass, Tin Plated
- Screwlock: Steel, Nickel Plated

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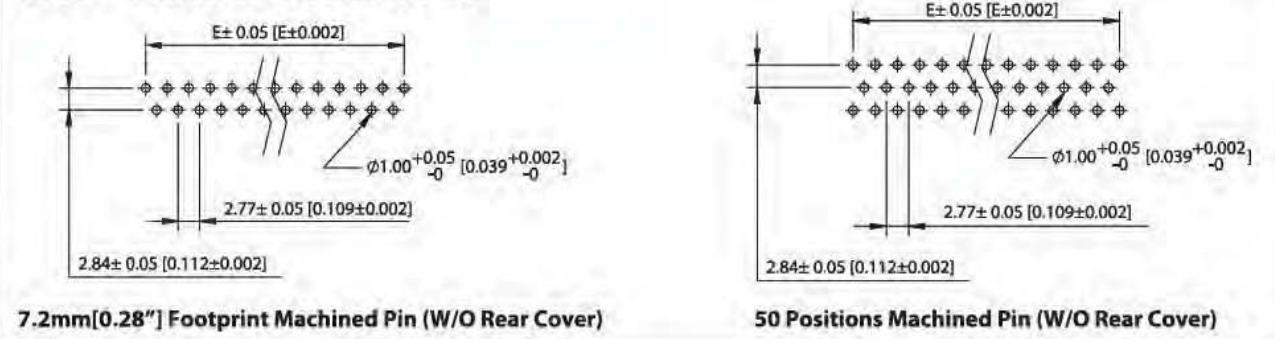
Sullins D-Sub

**DIMENSIONS** With 9.4mm[0.37"] Footprint Machined Pin (W/O Rear Cover) & 50 Positions Machined Pin (W/O Rear Cover)



Positions	A		B		C		D		E		F	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
9	30.81	1.213	24.99	0.984	16.92	0.666	16.33	0.643	11.08	0.436	19.20	0.756
15	39.20	1.543	33.30	1.311	25.25	0.994	24.70	0.972	19.39	0.763	27.70	1.091
25	53.05	2.088	47.04	1.852	38.96	1.534	38.40	1.512	33.24	1.309	41.10	1.618
37	69.40	2.732	63.50	2.500	55.42	2.182	54.80	2.158	49.86	1.963	57.30	2.256

**RECOMMENDED PCB LAYOUT**





**D-Sub Right Angle Type - 107 SERIES**

Sullins D-Sub

**PART NUMBER OPTIONS**

SDS107-PR

**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.
- N = .000050" Gold On Contact Surface,  
.000100" Pure Tin On Termination.
- P = Gold Flash Overall

**SHELL PLATING**

- 1. Nickel
- 2. Tin (Standard)
- 3. Cr+6 Yellow Chrome
- 4. Gold Flash

**CONTACT TYPE**

- M : MALE
- F : FEMALE

**NO. OF PINS**

- 09 : 09 POSITIONS
- 15 : 15 POSITIONS
- 25 : 25 POSITIONS
- 37 : 37 POSITIONS
- 50 : 50 POSITIONS

**FOOTPRINT**

- 1: 7.2mm [0.28"] Footprint
- 2: 9.4mm [0.37"] Footprint
- 3: 13.84mm [0.545"] Footprint

**INSULATOR COLOR**

- 1: Black (Standard)
- 2: Blue

**RIVET OPTIONS (REFER TO BELOW FIGURE FOR DETAIL)**

- 0. None
- 1. Grounding Strap #4-40 Threaded on PANEL
- 2. Grounding Strap #4-40 Threaded on PCB & PANEL
- 3. Grounding Hook Boardlock+2 Prong (Tin)

**FLANGE MOUNTING OPTION**

(REFER TO BELOW FIGURE FOR DETAIL)

- 1. #4-40 Female Thread
- 2. #4-40 UNC (4.8 X 11.8mm [0.19 X 0.46])  
Female Screwlock Installed
- 3. #4-40 UNC (4.8 X 11.8mm [0.19 X 0.46])  
Female Screwlock Bulk-Packed
- \*\*6. #4-40 UNC (4.8 X 11.8mm [0.19 X 0.46])  
Female Screwlock Installed
- \*\* Remove Screwlock to Disassemble Boardlock Bracket

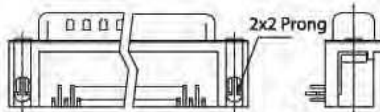
**FERRITE**

- N : Without Ferrite

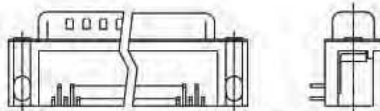
**PIN TYPE**

- S : STAMPED PIN
- M : MACHINED PIN

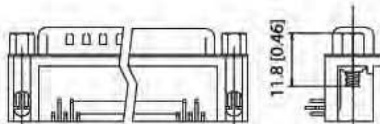
**RIVET OPTIONS & FLANGE MOUNTING OPTION**



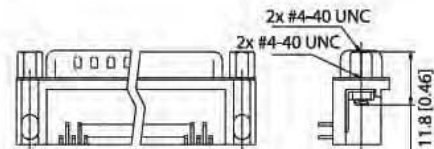
**Grounding Hook Boardlock+2 Prong (Tin)**  
(#4-40 Female Thread)



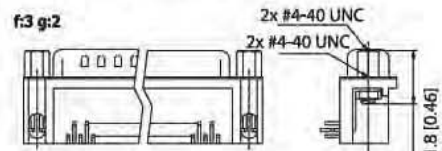
**Grounding Strap #4-40 Threaded on Spelling**  
(#4-40 Female Thread)



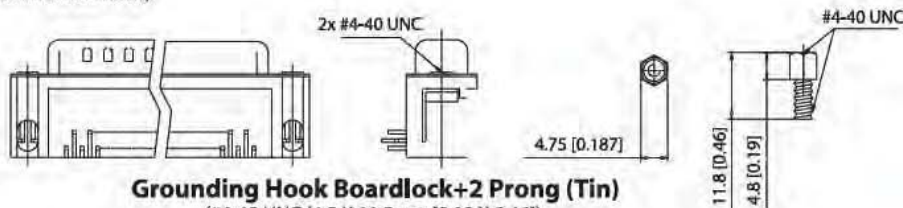
**Grounding Hook Boardlock+2 Prong (Tin)**  
(#4-40 UNC (4.8 X 11.8mm [0.19 X 0.46])  
Female Screwlock Installed)



**Grounding Strap #4-40 Threaded on Spelling**  
(#4-40 UNC (4.8 X 11.8mm [0.19 X 0.46])  
Female Screwlock Installed)



**Grounding Hook Boardlock+2 Prong (Tin)**  
(#4-40 UNC (4.8 X 11.8mm [0.19 X 0.46])  
Female Screwlock Installed)



**Grounding Hook Boardlock+2 Prong (Tin)**  
(#4-40 UNC (4.8 X 11.8mm [0.19 X 0.46])  
Female Screwlock Bulk-Packed)