

# .050" Mini Ribbon Board to Board

Boardmount Plug, 4 Row, Straight & Right Angle Solder Tail

91100 Series



- Leaf contact wipe
- Four row solder tails
- High temp body
- D shape polarization
- Lower profile
- Metal board retention
- Locator pegs (on straight)

Date Modified: February 19, 1999

TS-0822-01  
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## Physical

### Insulation

Material: Glass Filled Polyester (PCT)  
Flammability: UL 94V-0  
Color: Beige

### Contact

Material: Phosphor Bronze  
Plating  
Underplate: 100 $\mu$ " [ 2.54  $\mu$  m ] Nickel — QQ-N-290, Class 2  
Wiping Area: 30  $\mu$ " [ 0.76  $\mu$  m ] Gold — MIL-G-45204, Type II, Grade C  
Solder Tails: 100 $\mu$ " [ 2.54  $\mu$  m ] Tin Lead — MIL-P-81728

**Marking:** 3M Logo, Orientation Triangle and Date Code

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## Electrical

**Current Rating:** .5 A  
**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 Vdc  
**Withstanding Voltage:** 1000 Vrms at Sea Level

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## Environmental

**Temperature Rating:**  $-55^{\circ}\text{C}$  to  $85^{\circ}\text{C}$   
**Process Rating:** Maximum  $235^{\circ}\text{C}$  with 90 Seconds over  $215^{\circ}\text{C}$

UL File No.: E68080

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### 3M Interconnect Solutions Division

6801 River Place Blvd.  
Austin, TX 78726-9000

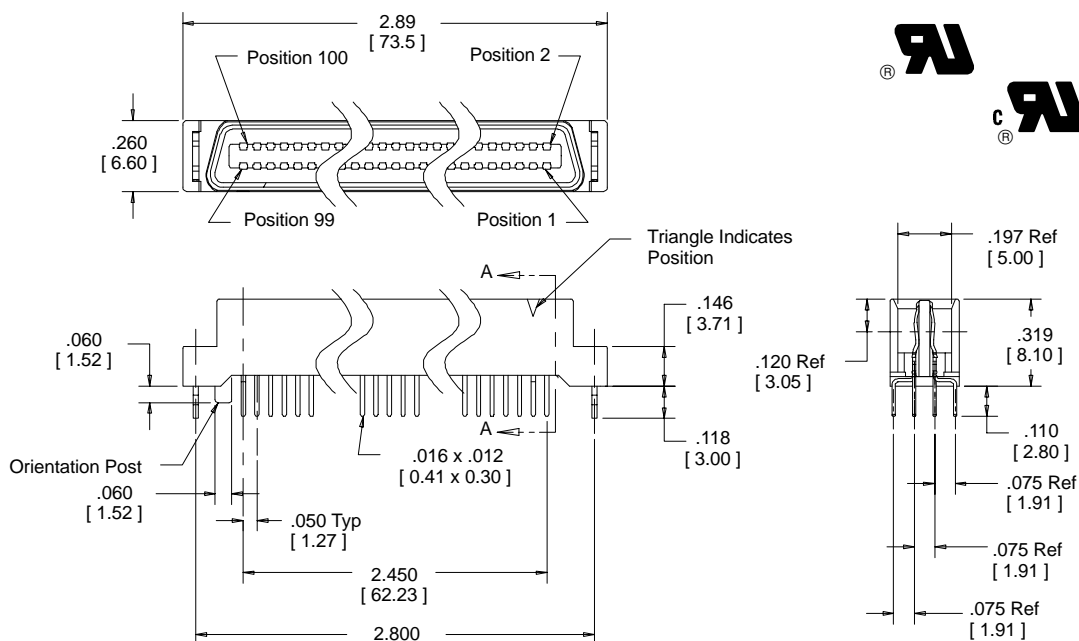
For technical, sales or ordering information call  
**800-225-5373**

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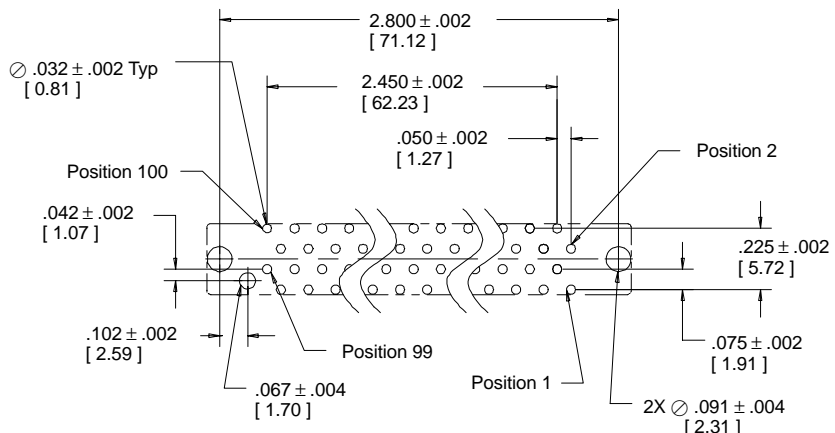
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**Straight**



Section A-A



Recommended Mounting Hole Pattern  
(Viewed from Connector Side)

**Inch**  
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	± .1	± .01	± .005

[ ] Dimensions for Reference only

## Ordering Information

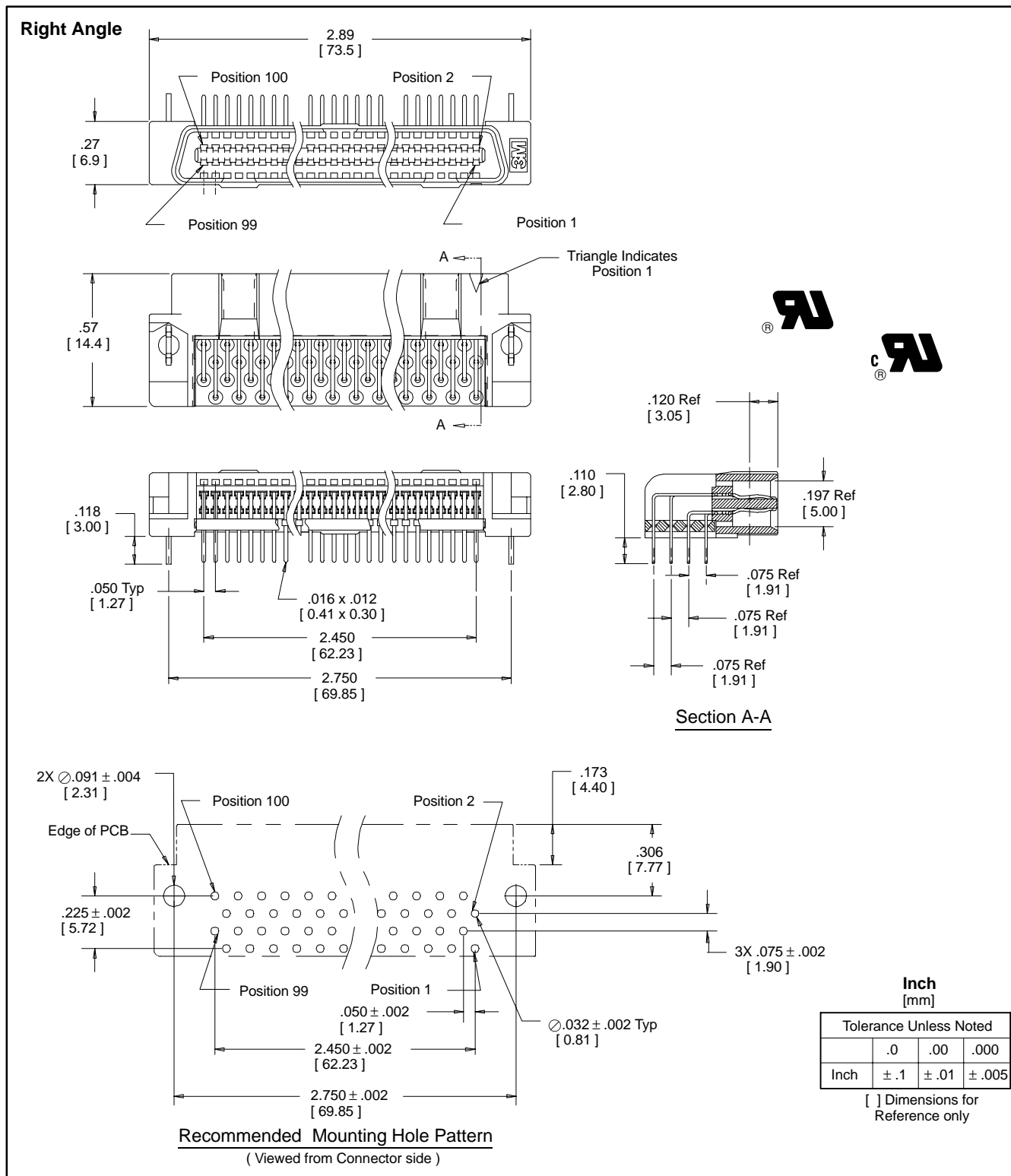
**91100-2201BP**

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# .050" Mini Ribbon Board to Board

Boardmount Plug, 4 Row, Straight & Right Angle Solder Tail

91100 Series



## Ordering Information

**91100-1201BP**

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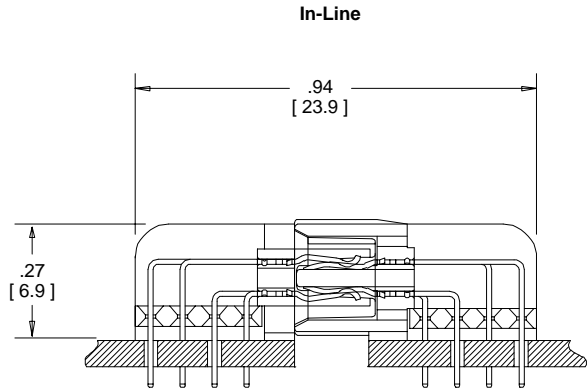
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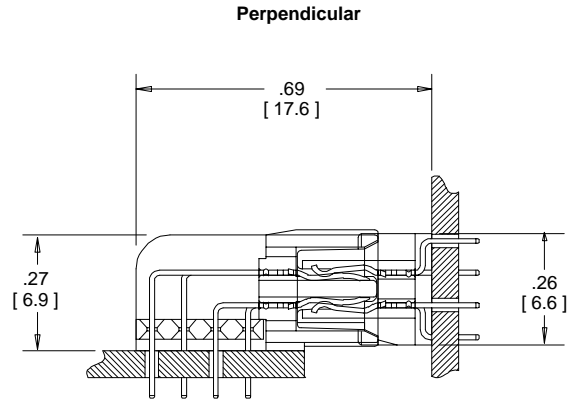
91100 Series

### Boardmount Mating Applications



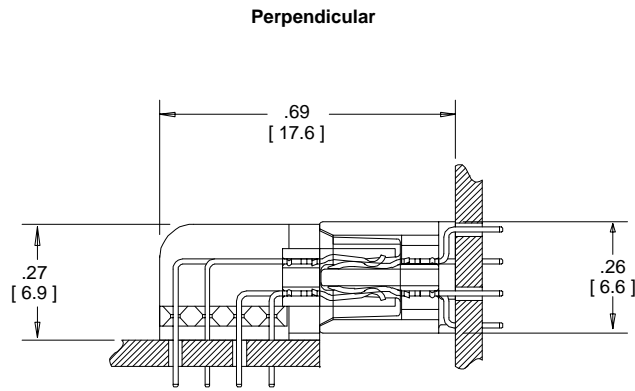
Right Angle Receptacle

Right Angle Plug



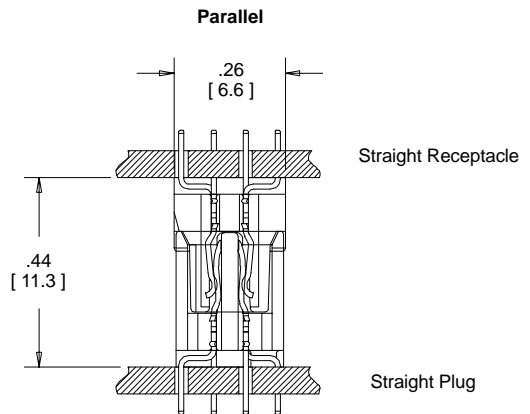
Right Angle Plug

Straight Receptacle



Right Angle Receptacle

Straight Plug



Straight Receptacle

Straight Plug

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