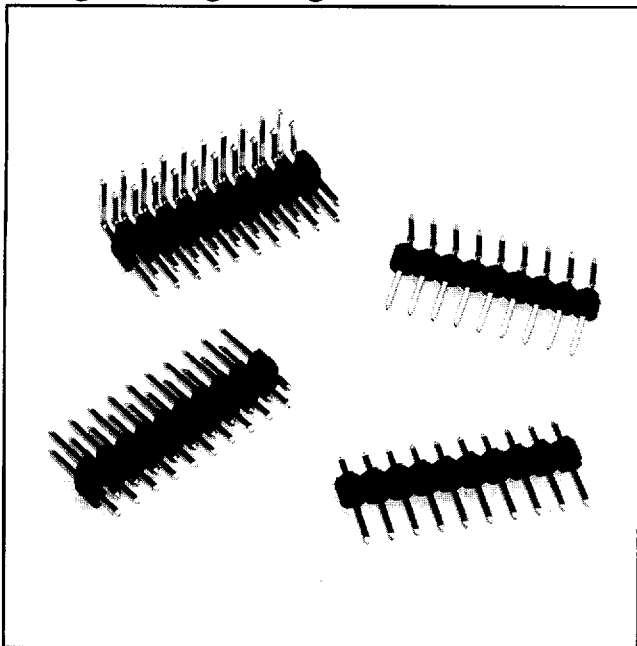


# .100" and .100" × .100" Pin Strip Header

Straight & Right Angle, Solder Tail

2300 Series



- One and two row versions
- Straight and right angle versions
- Tin lead or gold plating available
- Tapered tip does not cut the socket wipe during insertion, reducing operational failure and repairs
- Board retention feature available

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## Physical

### Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Black

### Contact

Material: Phosphor Bronze

Plating

Underplate: Nickel — QQ-N-290, Class 2

Wiping Area: Gold — MIL-G-45204, Type II, Grade C

Solder Tails: 100  $\mu$ " [ 2.54  $\mu$ m ] 90/10 Tin Lead —MIL-P-81728

## Electrical

**Current Rating:** 1 A

**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 Vdc

**Withstanding Voltage:** 1000 Vrms at Sea Level

## Environmental

**Operating Temperature Rating:**  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$

UL File No.: E68080

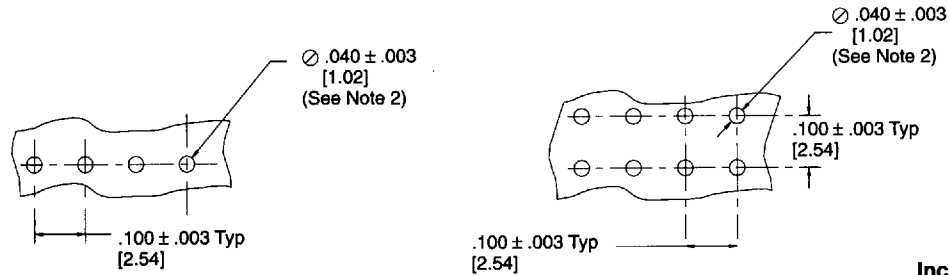
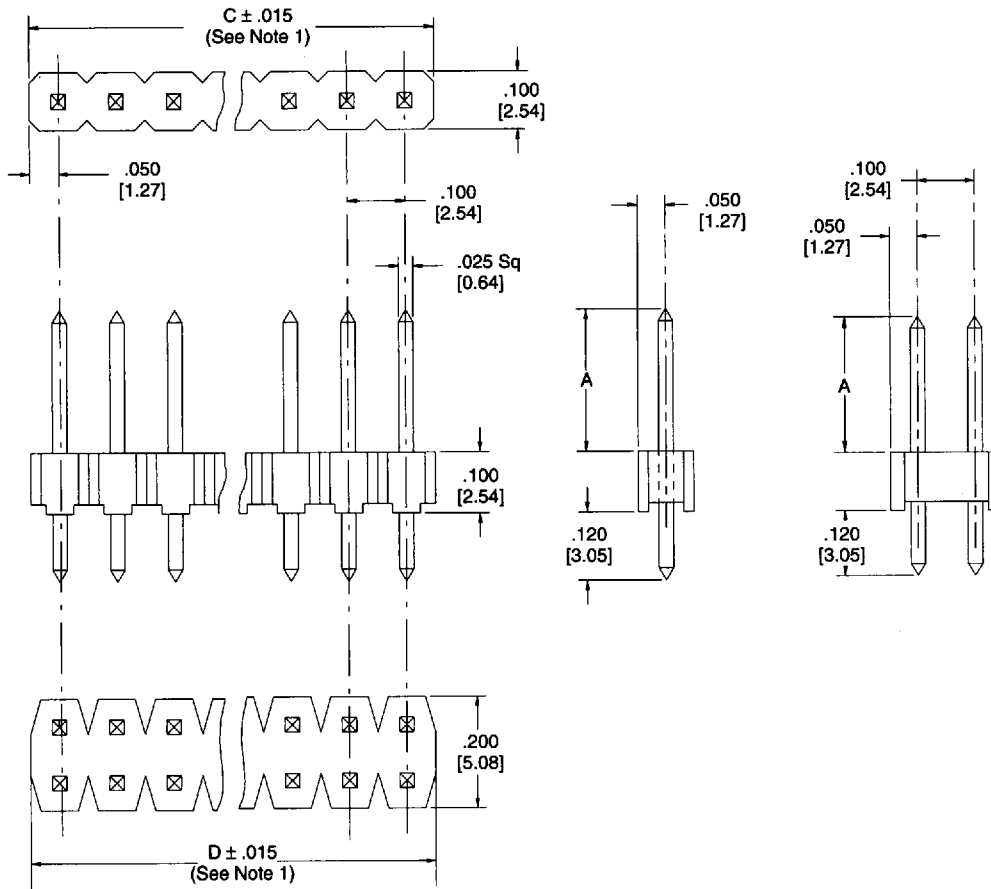
3M Electronic Products Division D 19F ■ 9035312 0004387 T87 ■

# .100" and .100" × .100" Pin Strip Header

## Straight & Right Angle, Solder Tail

2300 Series

### Straight



Recommended Mounting Hole Pattern

Inch  
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	$\pm .1$	$\pm .01$	$\pm .005$

[ ] Dimensions for Reference only

Notes:

- "C" = .100" X pin quantity per row.
- The recommended PCB hole size for the kinked tail positions on the .120" solder tail connector is  $.040" \pm .002$ .

### Ordering Information

**23XX-5XXXTX**

Pin Quantity  
One Row (02-40)  
Two Row (04-80)

Pin Length  
(Dim A)  
1 = .230"  
2 = .318"

Tail  
One Row  
11 = .120" Solder Tails  
51 = .120" Kinked Solder Tails

Two Row  
21 = .120" Solder Tails  
81 = .120" Kinked Solder Tails

Plating  
G = 10 $\mu$  Gold / 50 $\mu$  Nickel  
N = Gold Flash / 30 $\mu$  Nickel

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