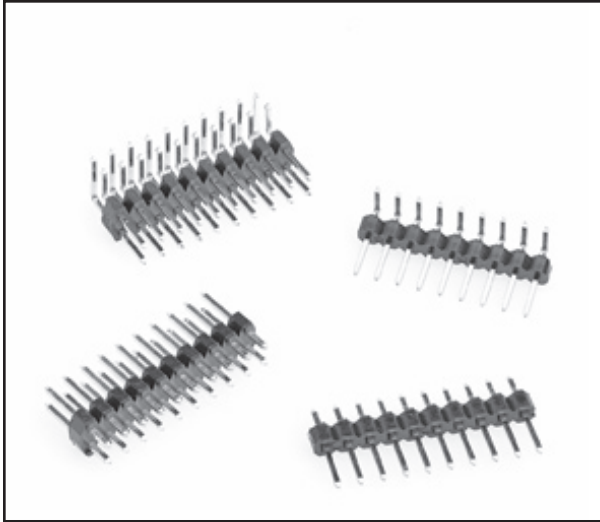


3M™ Pin Strip Header

.100" and .100" × .100" Straight and 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
- Two-row right angle mates with Pak 100 wiremount sockets anywhere on the board
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: August 4, 2008

TS-0766-B
Sheet 1 of 3

Physical

Insulation:

Material: Glass Filled Thermoplastic

Flammability: UL 94V-0

Color: Black

Contact:

Material: Copper Alloy

Plating:

Underplating: 50 μ" [1.27 μm] Nickel

Wiping Area: Tin or Gold (See Ordering Information)

Solder Tails: 100 μ" [2.54 μm] 90/10 Tin Lead

Marking: None

Electrical

Current Rating: 3 A

Insulation Resistance: $> 5 \times 10^9 \Omega$ at 500 V_{DC}

Withstanding Voltage: 100 V_{RMS} at Sea Level

Environmental

Temperature Rating: 55°C to +105°C

UL File No.: E68080

3M

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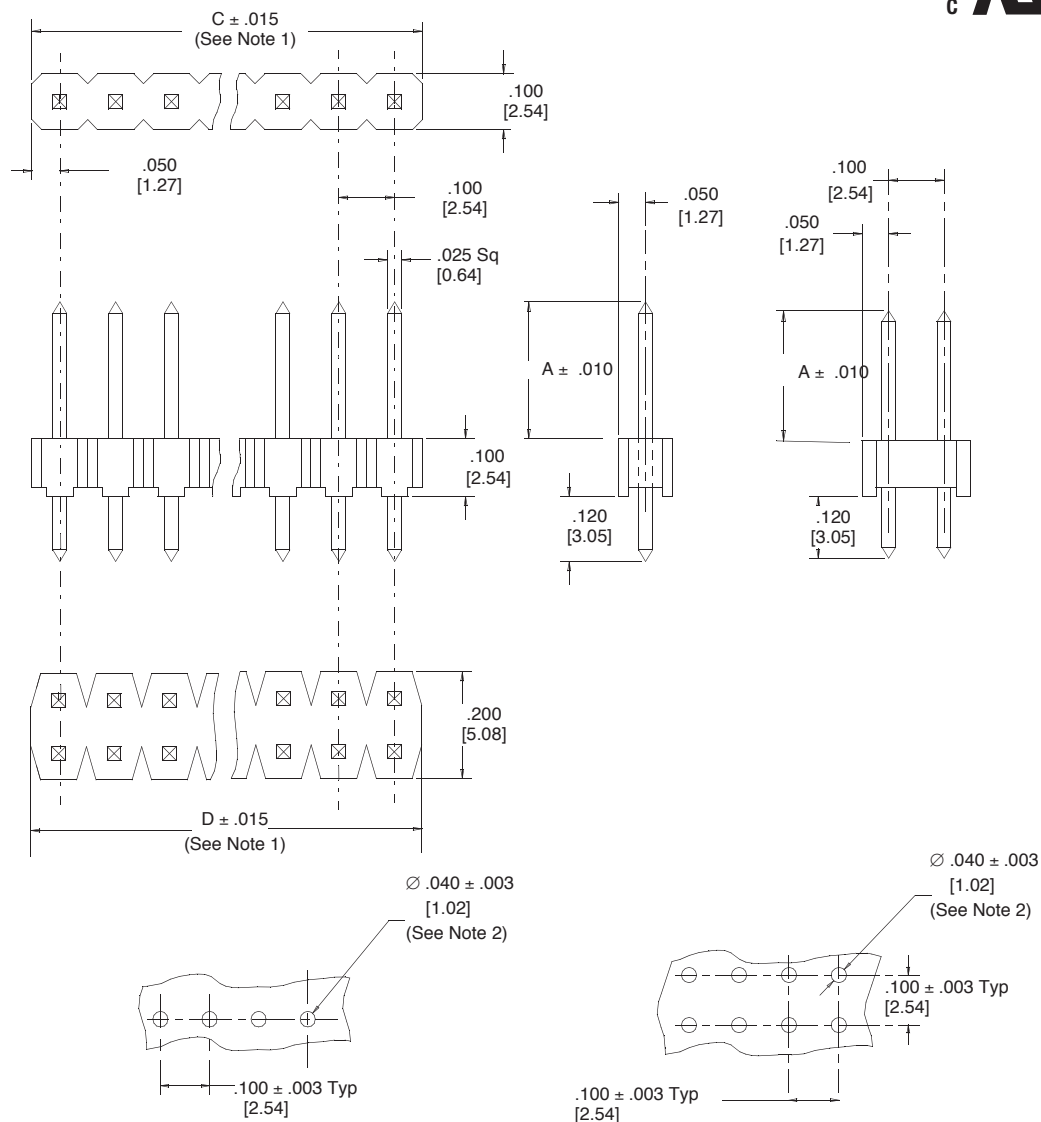
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800-225-5373

3M™ Pin Strip Header

.100" and .100" x .100" Straight and Right Angle, Solder Tail

2300 Series

Straight



Recommended Mounting Hole Pattern

Inch
[mm]

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

[] Dimensions for Reference Only

Notes:

1. "C" = .100" X pin quantity per row.
2. The recommended PCB hole size for the kinked tail positions on the .120" solder tail connector is $\text{Ø} .040 \pm .002$. The kinked tail positions are the first and last position in each row.

Ordering Information

23XX - 6XXX - XX

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

TB = 30 μ " Gold (App. E3 & C2 Apply)
TG = 10 μ " Gold (App. E3 & C2 Apply)
TP = Tin-lead (App. E3 & C2 Apply)

TS-0766-B
Sheet 2 of 3



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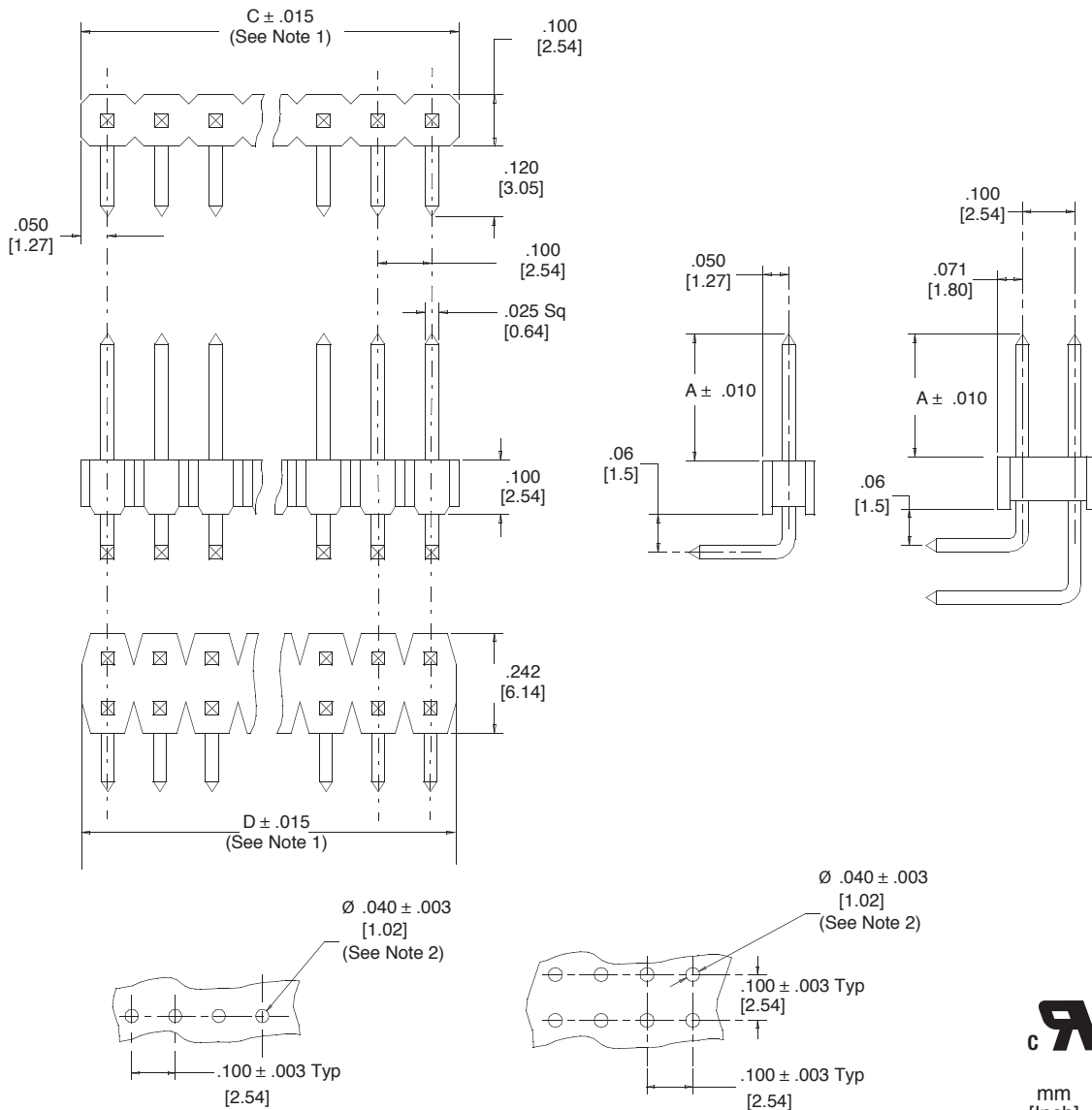
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3M™ Pin Strip Header

.100" and .100" x .100" Straight and Right Angle, Solder Tail

2300 Series

Right Angle



Recommended Mounting Hole Pattern

Notes:

1. "C" = .100" X pin quantity per row.
2. The recommended PCB hole size for the kinked tail positions on the .120" solder tail connector is $\varnothing .040 \pm .002$.
3. Drawing not to scale. Part details may vary.



mm
[Inch]

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

[] Dimensions for Reference Only

Ordering Information



TS-0766-B
Sheet 3 of 3



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