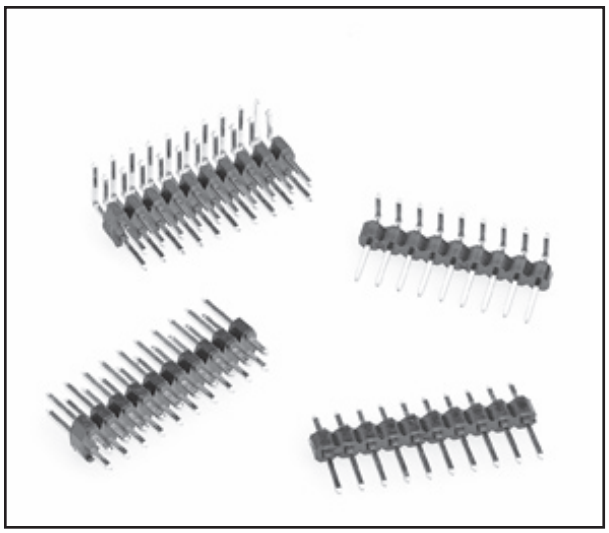
3M™ Pin Strip Header

.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

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

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

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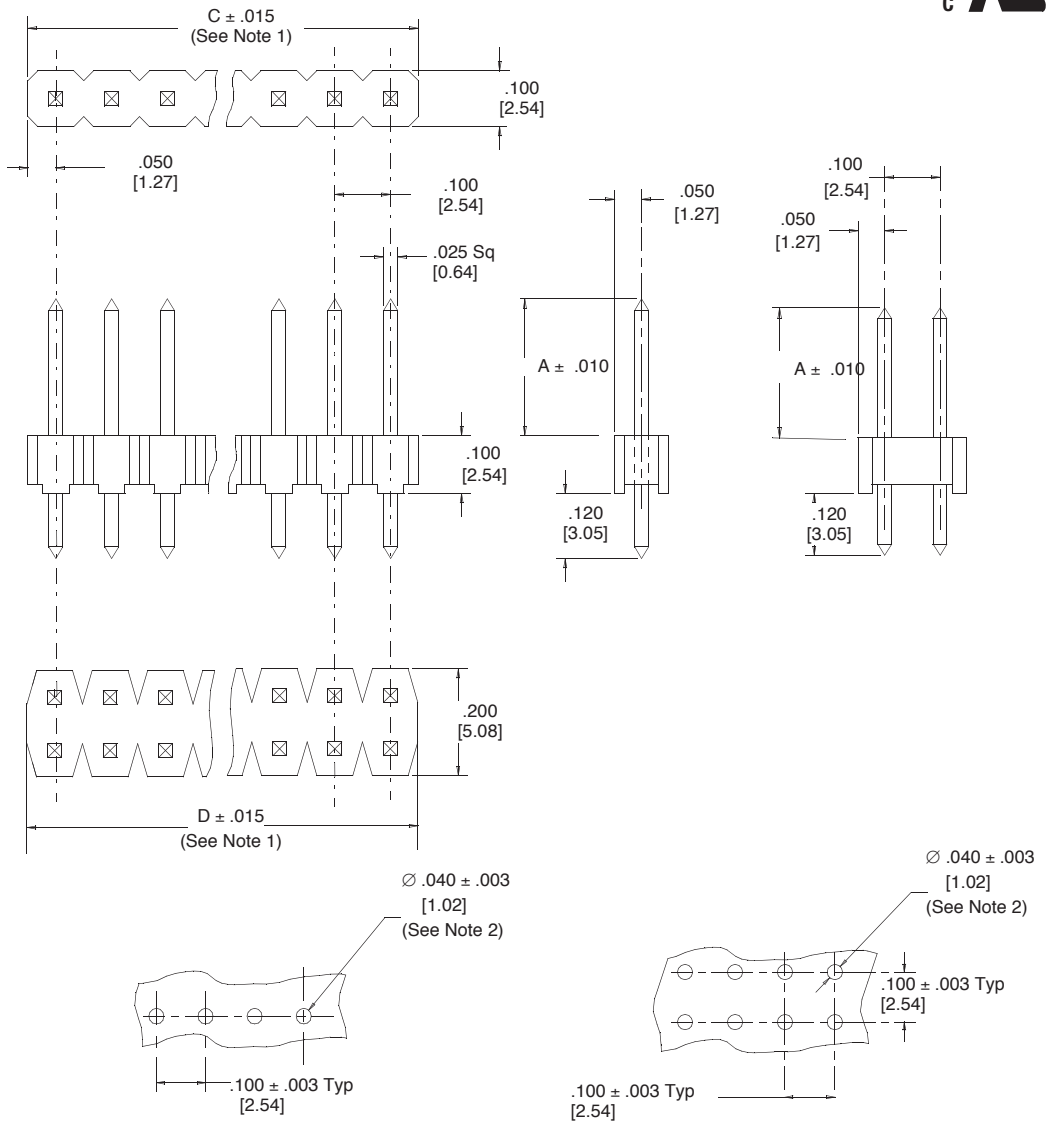
Straight



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 Ø .040" ± .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)

3M
Electronic Solutions Division
Interconnect Solutions
http://www.3M.com/interconnects/

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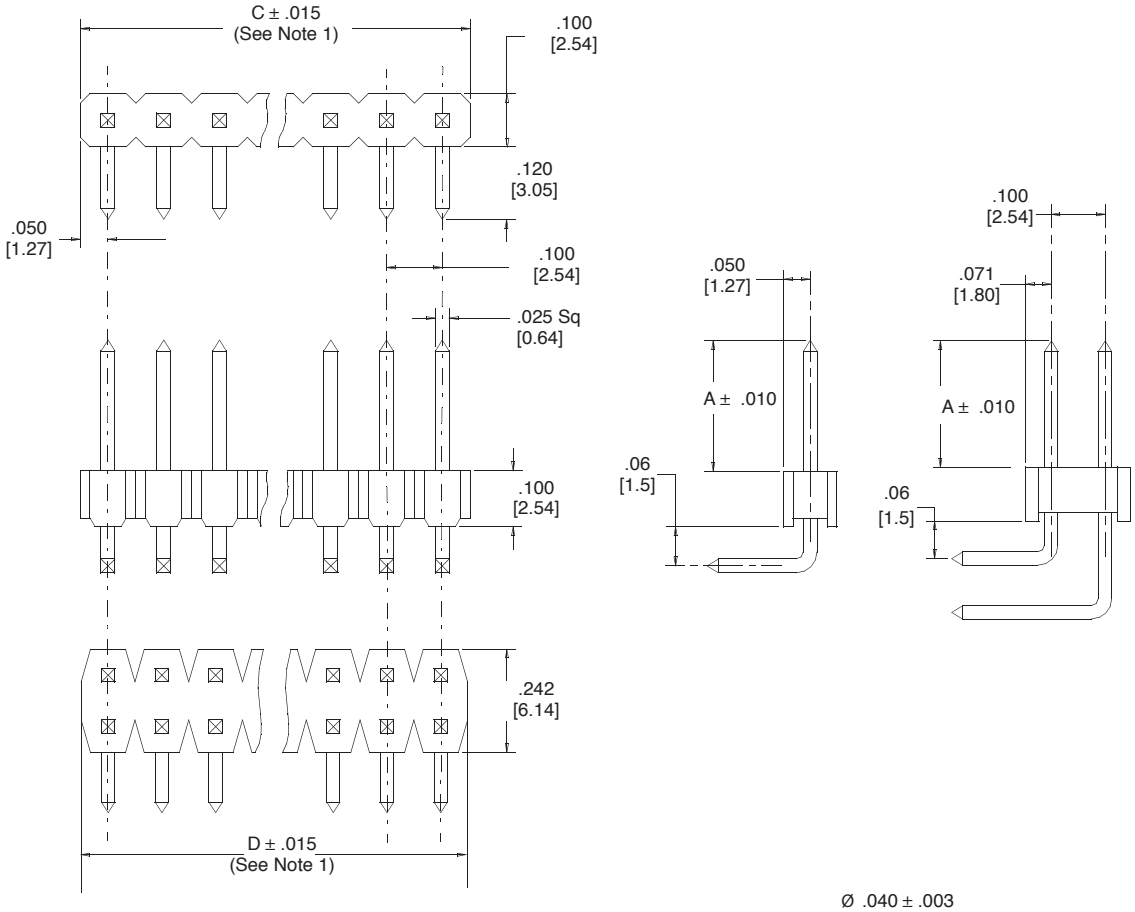
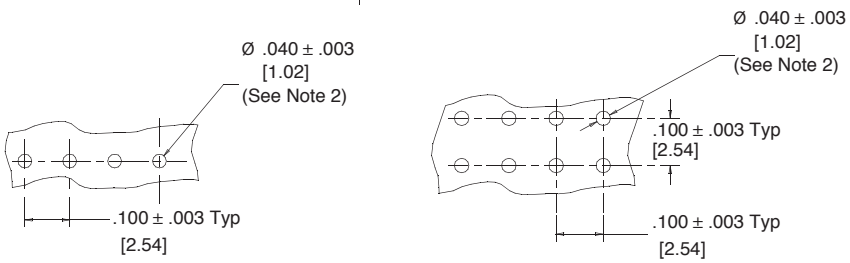
Right Angle





Recommended Mounting Hole Pattern

mm
[Inch]

Tolerance Unless Noted			
	.0	.00	.000
mm	±.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 Ø .040" ± .002.
3. Drawing not to scale. Part details may vary.

Ordering Information

23XX - 5XXX - 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 = .110" Solder Tails
81 = .110" Kinked Solder Tails

Plating
TB = 30 µ" Gold (App. E3 & C2 Apply)
TG = 10 µ" Gold (App. E3 & C2 Apply)
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