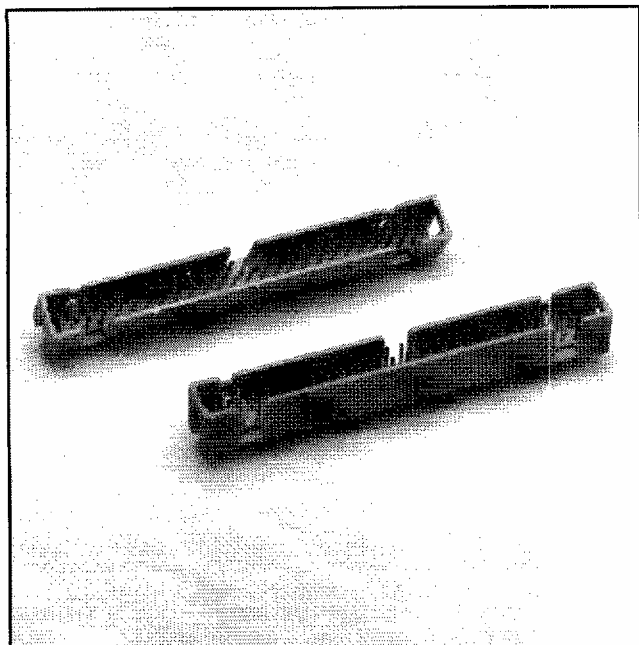


# .100" x .100" Low Profile Header

Straight, 4 Wall, High Temp

2500 Series



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Sheet 1 of 2

- Low profile, space saving design
- Socket compatibility for current design validation
- Center slot polarization prevents mis-insertions and reduces insertion time
- Dual slot polarization means broader compatibility with competitive polarization designs
- Optional retainer clamp for locking sockets in place and increasing connection reliability in vibration-prone environments
- High temperature

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## Physical

### Insulation

Material: Glass Filled Polyester (PBT)  
Flammability: UL 94V-0  
Color: Beige  
Marking: 3M Logo, and Orientation Triangle

### Contact

Material: Phosphor Bronze (C510)  
Plating  
Underplate: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel — QQ-N-290, Class 2  
Wiping Area: Gold — MIL-G-45204, Type II, Grade C  
Solder Tails: 200  $\mu$ " [ 5.08  $\mu$ m ] 60/40 Tin Lead — MIL-P-81728

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## Electrical

Current Rating: 2 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  $+105^\circ\text{C}$   
Processing: Maximum  $235^\circ\text{C}$ , with 90 Seconds over  $215^\circ\text{C}$

UL File No.: E68080  
CSA File No.: LR 40971

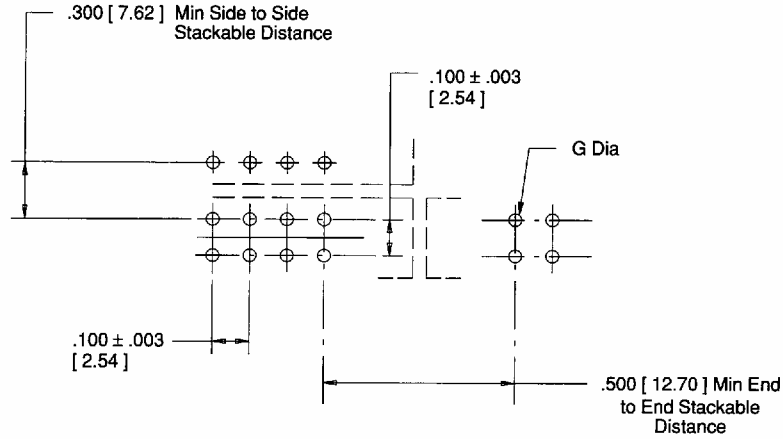
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# .100" x .100" Low Profile Header

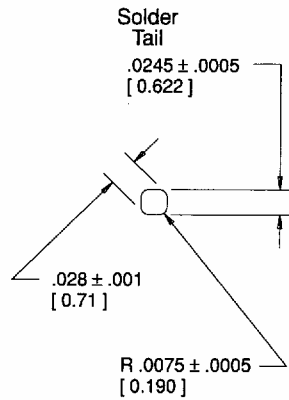
Straight, 4 Wall, High Temp

2500 Series

3M Part No. Suffix	Tail	Dim E	Dim F			Dim G	
-60X2	2	.112 [ 2.84 ]	.0245 ± .0005 [ 0.622 ]	with	.028 ± .001 [ 0.71 ]	Diagonals	.035 ± .003 [ 0.89 ] (Note 2)
-6003	3	.155 [ 3.94 ]	.0245 ± .0005 [ 0.622 ]	with	.028 ± .001 [ 0.71 ]	Diagonals	.035 ± .003 [ 0.89 ]



Recommended P.C. Board Hold Pattern (Shown for Mounting Side of Board)



Pin Cross Section

## Ordering Information

N 25XX-60XX-XX

Pin Quantity:  
See Table

- Tail
- 02 = Solder Tails for .062 [ 1.57 ] Thick Board.
  - K2 = Kinked Solder Tails for .062 [ 1.57 ] Thick Board.
  - 03 = Solder Tails for .094 to .125 [ 2.39 to 3.18 ] Thick Board.

Mating Plating Thickness:  
UG = 10 μ" [ 0.25 μm ]  
UB = 30 μ" [ 0.76 μm ]

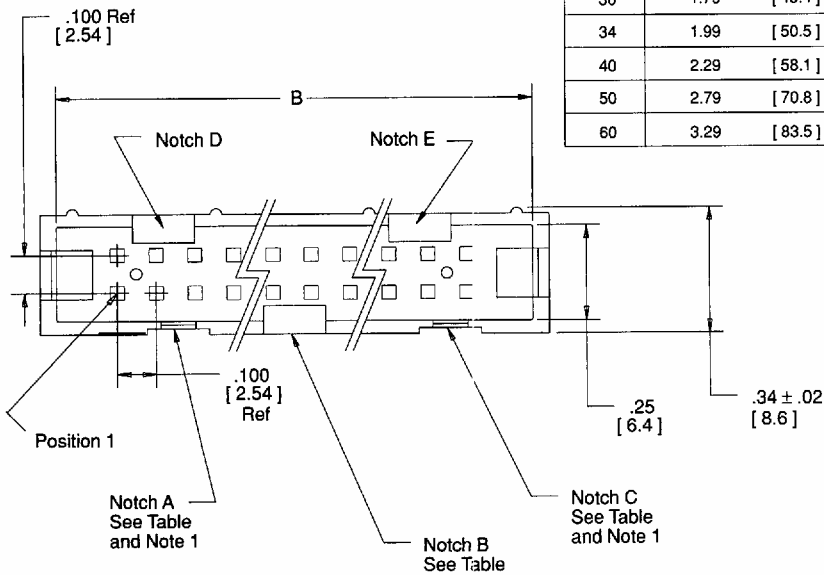
# .100" x .100" Low Profile Header

Straight, 4 Wall, High Temp

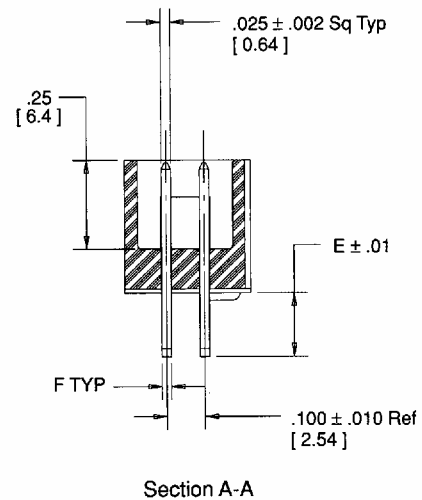
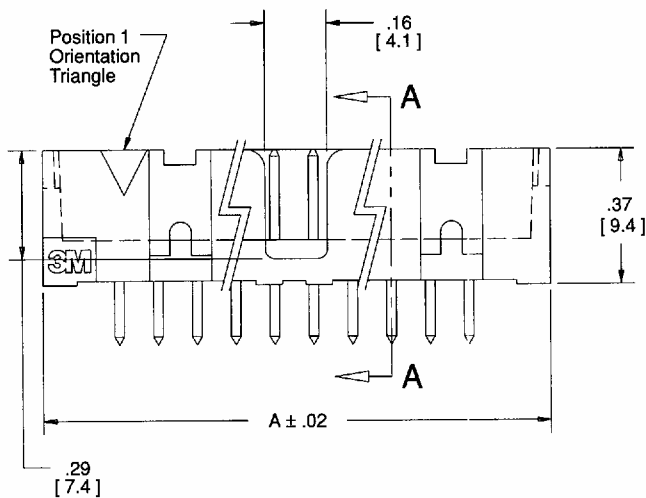
2500 Series

Sheet 3 of 3

PIN QTY	DIM A		DIM B		POLARIZING NOTCHES PROVIDED
		[mm]		[mm]	
10	0.79	[20.0]	0.70	[17.8]	BC
14	0.99	[25.1]	0.90	[22.8]	BCDE
16	1.09	[27.6]	1.00	[25.4]	ABCDE
20	1.29	[32.7]	1.20	[30.4]	ABCDE
24	1.49	[37.8]	1.40	[35.5]	ABCDE
26	1.59	[40.3]	1.50	[38.1]	ABCDE
30	1.79	[45.4]	1.70	[43.2]	ABCDE
34	1.99	[50.5]	1.90	[48.2]	ABCDE
40	2.29	[58.1]	2.20	[55.9]	ABCDE
50	2.79	[70.8]	2.70	[68.6]	ABCDE
60	3.29	[83.5]	3.20	[81.3]	ABCDE



TS-0486-06



Inch  
[mm]

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

Notes :

1. Notches "A" and "C" will accommodate 3M Polarizing Keys. (Part number 3518 or M3518)

2. The recommended PCB hole size for the kinked tail positions on the .112" solder tail connector is .035" ± .002.

[ ] Dimensions for Reference Only