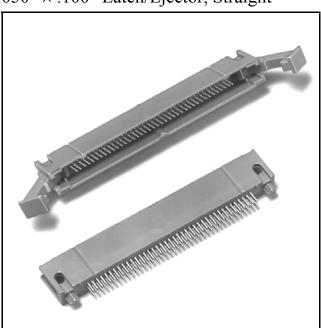
3M™ Pak 50 4-Wall, Tripolarized Header

.050" × .100" Latch/Ejector, Straight

810 Series



- Tripolarization to mating socket
- $50 \text{ mm} \times 100 \text{ mm}$ halves the connector length
- Latch and eject for rugged high performance applications
- Two-row tail design saves board space
- High temperature plastic
- Four-wall shroud provides contact protection
- Contacts: 20, 26, 36, 40, 50, 60, 68, 80 and 100

Consolidated with TS-0253

Date Modified: May 26, 2005

TS-0261-32 Sheet 1 of 3

Physical

Insulation

Material: High Temperature Plastic (LCP)

Flammability: UL 94V-0

Color: Ivory (Natural) - LCP

Contact

Material: Copper Alloy

Plating

Underplating: $100 \mu''$ [$2.54 \mu m$] Nickel - QQ-N-290, Class 2

Wiping Area: $30 \mu''$ [$0.76 \mu m$] Gold - MIL-G-45204, Type II, Grade C

Solder Tails: $100 \mu''$ [$2.54 \mu m$] 90/10 Tin Lead

Marking: 3M Logo, Part Number and Orientation Triangle

Electrical

Current Rating: 0.5 A

Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 Vdc **Withstanding Voltage:** 500 Vrms at Sea Level

Environmental

Operating Temperature Rating: -55°C to +105°C

Process Temperature Rating: 250°C Max, with 90 seconds above 230°C

UL File No.: E68080

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	Table 1					
Contact Qty	Dimensions					
	A	В	C Short Ref	C Long Ref	D	
020	1.060	.722	1.671	1.842	.860	
	[26.92]	[18.34]	[42.44]	[46.77]	[21.84]	
026	1.210	.872	1.817	1.987	1.010	
	[30.73]	[22.15]	[46.15]	[50.47]	[25.65]	
036	1.460	1.122	2.070	2.274	1.260	
	[37.08]	[28.50]	[52.58]	[57.76]	[32.00]	
040	1.560	1.222	2.170	2.365	1.360	
	[39.62]	[31.04]	[55.12]	[60.07]	[34.54]	
050	1.810	1.472	2.421	2.609	1.610	
	[45.97]	[37.39]	[61.49]	[66.27]	[40.89]	
060	2.060	1.722	2.671	2.872	1.860	
	[52.32]	[43.74]	[67.84]	[72.95]	[47.24]	
068	2.260	1.922	2.870	3.083	2.060	
	[57.40]	[48.82]	[72.90]	[78.31]	[52.32]	
080	2.560	2.222	3.178	3.370	2.360	
	[65.02]	[56.44]	[80.72]	[85.60]	[59.94]	
100	3.060	2.722	3.676	3.875	2.860	
	[77.72]	[69.14]	[93.37]	[98.43]	[72.64]	

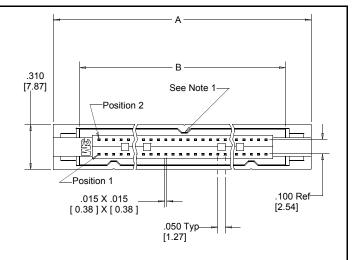
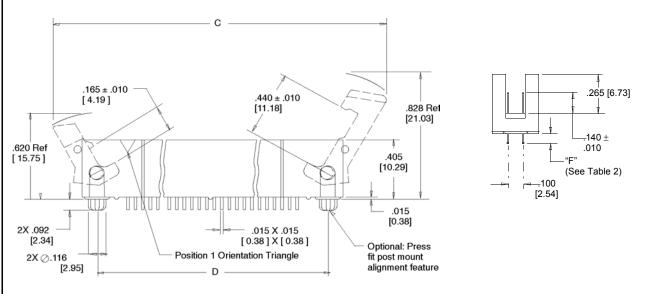


Table 2			
PCB Thickness	"F" Solder Tail Length ±.010		
.062 [15.7]	.090 [2.29]		
.094 [2.39]	.112 [2.79]		
.125 [3.18]	.143 [3.63]		



Notes:

- 1. This polarization bump does not exist on the 20 position header.
- 2. Recommended to be mated to the .050" x .100" 82XXX Series Socket.

c All All

Ordering Information

Header 81XXX-6X0X0X

Contact Quantity—
(See Table 1)

Ejector/Latch System:
0 = None
5 = With Short Ejectors Installed

6 = With Long Ejector latches Installed

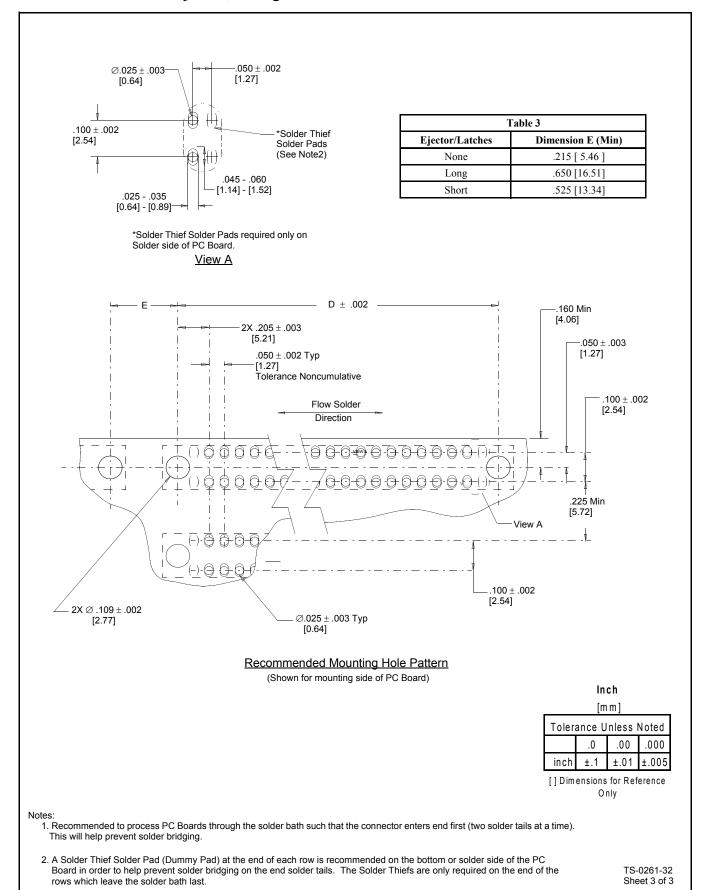
Board Mounting Options:1 = None

3 = Press fit posts both ends

Contact Tail: (See Table 2)

2 = Solder Tail for .062 [1.57] PC Board 3 = Solder Tail for .094 [2.39] PC Board 4 = Solder Tail for .125 [.318] PC Board Ejector / Latch 3505-29 Ejector (Short) 3505-28 Ejector/ latch (Long)

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