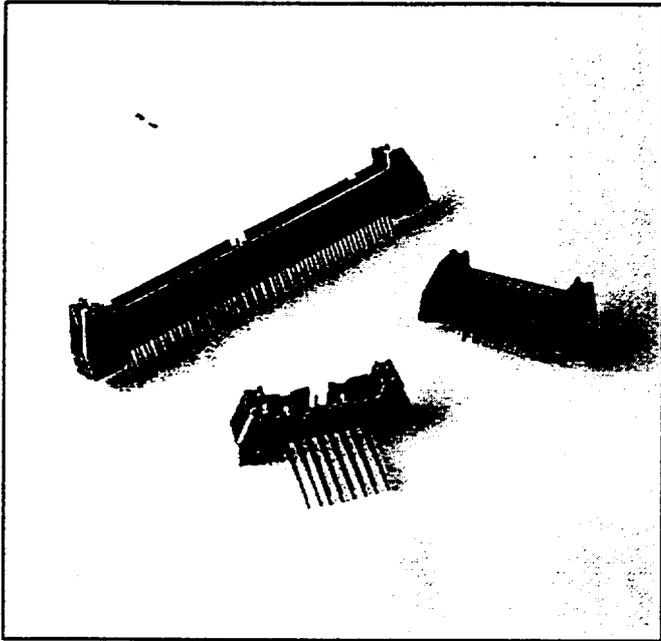


.100" x .100" Latch/Ejector Header

4 Wall



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Date Issued: January 18, 1995

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Sheet 1 of 4

Physical

Insulation

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

Contact

Material: Copper Alloy
Plating
Underplate: 100 μ " [2.54 μ m] Nickel — QQ-N-290, Class 2
Wiping Area: Gold — MIL-G-45204, Type II, Grade C
Solder Tails: 200 μ " [5.08 μ m] 60/40 Tin Lead — MIL-P-81728
Wrap Tails: Gold Flash

Electrical

Current Rating: 1 A
Insulation Resistance: $>1 \times 10^9 \Omega$ at 500 Vdc
Withstanding Voltage: 1000 Vrms at Sea Level

Environmental

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

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

3M Electronic Products Division

6801 River Place Blvd.
Austin, TX 78726-9000

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.100" X .100" Latch/Ejector Header 4-Wall

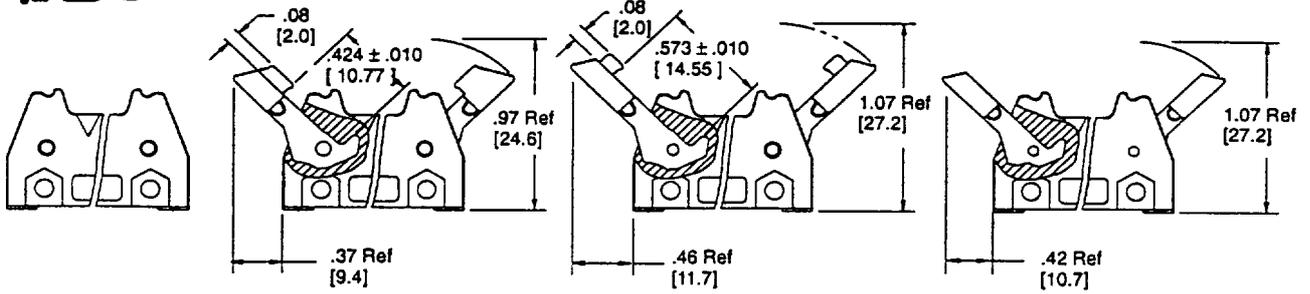
-X0XX
Header with No
Ejector/Latch



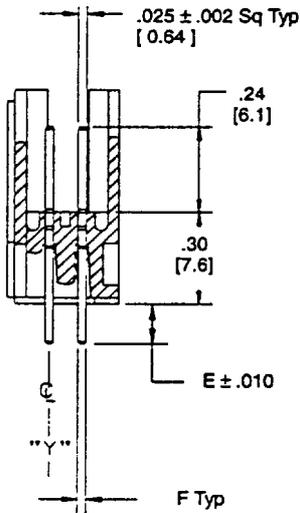
-X2XX
-X5XX *UN*
Header with
Short Ejector/Latch
for 3M Sockets without
Strain Relief

-X3XX
-X6XX *UN*
Header with
Long Ejector/Latch
for 3M Sockets with
Strain Relief

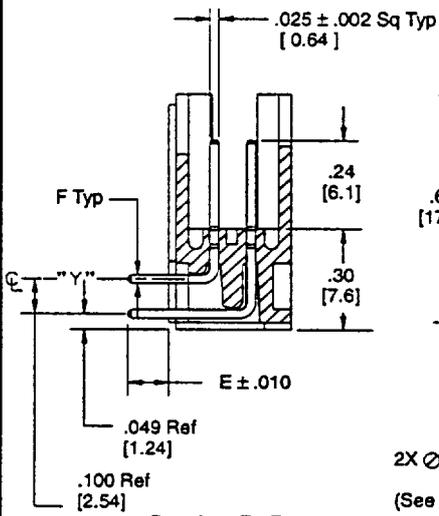
-X4XX
Header with
Ejector only



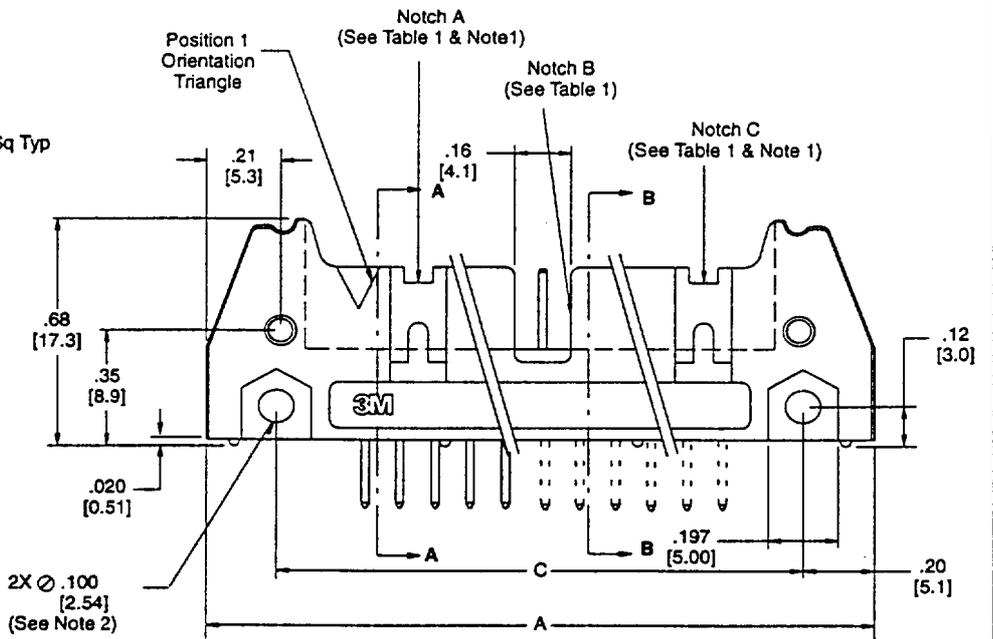
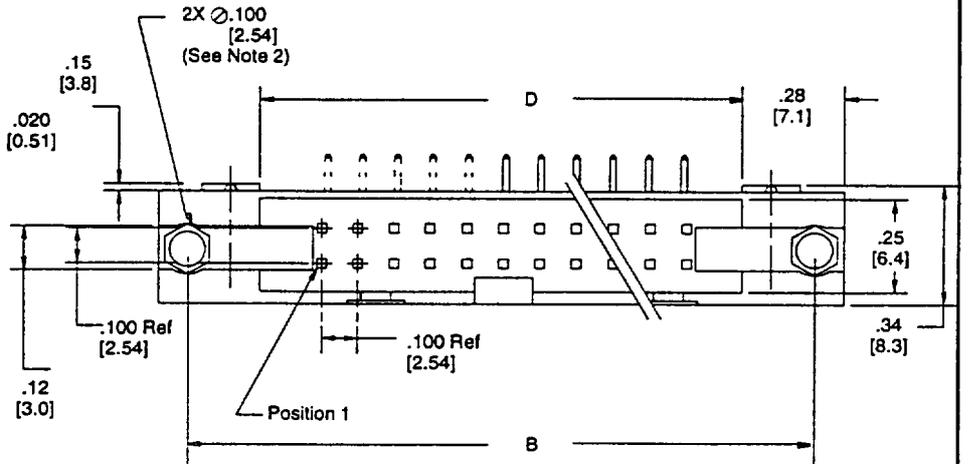
Note: This Ejector is a Nickel Plated Zinc Alloy Casting.



Section A-A
(Straight)



Section B-B
(Right Angle)



TS-0160-13
Sheet 2 of 4

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.100" x .100" Latch/Ejector Header 4 Wall

Ordering Information

30 Microinches Gold Plated Product

X X X X - X X X X

3M Part Number
(See Table 1)

Shroud and Pin Configuration
5 = 4 Wall, Right Angle
6 = 4 Wall, Straight

Latch/Ejector System
0 = No Latch/Ejector
2 = Short, Roll Pin Latch/Ejectors
(3M Part # 3505-2)
3 = Long, Roll Pin Latch/Ejectors
(3M Part # 3505-3)
4 = Roll Pin Ejectors
(3M Part # 3505-4)

Tail
02 = Solder Tail 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
05 = Wrap Posts for up to 3 Levels of Wire Wrap

4 Microinches Gold Plated Product

X X X X - X X X X X X

3M Part Number
(See Table 1)

Shroud and Pin Configuration
5 = 4 Wall, Right Angle
6 = 4 Wall, Straight

Latch/Ejector System
0 = No Latch/Ejector
5 = Short, Snap In Latch/Ejectors
(3M Part # 3505-30)
6 = Long, Snap In Latch/Ejectors
(3M Part # 3505-31)

Plating Suffix
UN = 4 microinch Gold
UN

Tail
02 = Solder Tail 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

TS-0160-13
Sheet 4 of 4

3M Electronic Products Division

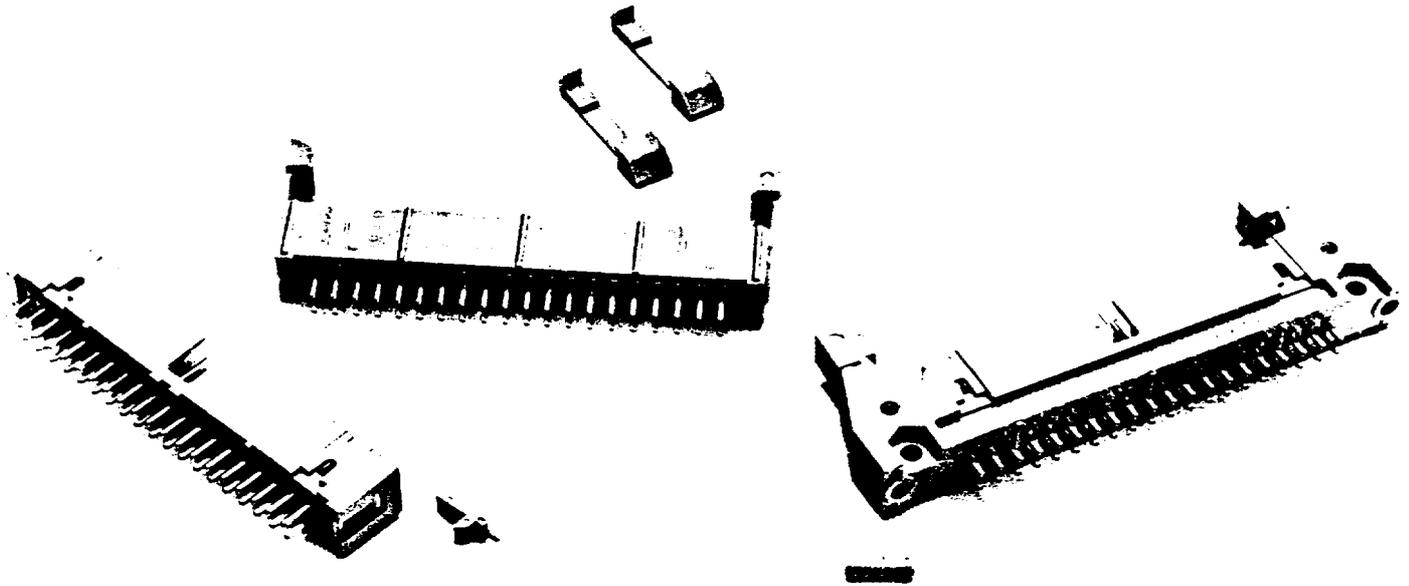
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3M

Header Accessories

2500 Series and 3400 Series Pin Headers



3M header accessories enable manufacturers to take full advantage of the 2500 Series and 3400 Series Pin Headers. By adapting these popular and cost-effective pin headers to environments with high vibration or robotic assembly, 3M header accessories enable the manufacturer to save money and time without sacrificing the quality or integrity of the design.

Snap-in long latches for 2500 Series Low Profile Headers

These simple to install plastic latches snap easily into each end of the header and latch snugly to the corners of the strain relief of the mated socket. The latches provide socket retention and prevent accidental disconnection.

Use of these latches allows the 2500 Series headers to be used reliably in applications exposed to high vibration or in manufacturing operations with a lot of handling. The gray nylon latches are a cost-effective alternative to metal clips.

Polarization Posts

To assure proper mounting of 2500 Series and 3400 Series headers in both automated and manual manufacturing operations, 3M offers board polarization posts. The plastic posts fit conveniently into either end of the header. The posts are available in both PBT and PCT plastics.

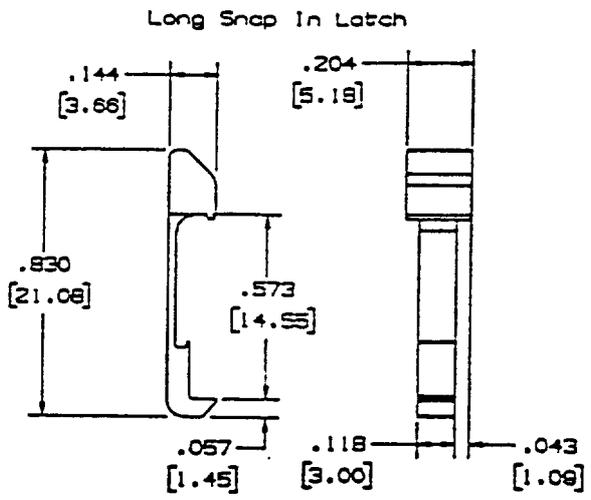
.100" x .100" Low Profile Header

Accessories

Sheet 1 of 1

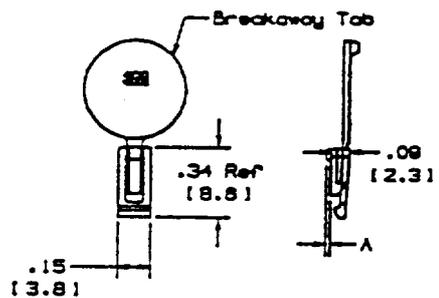
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Issued: July 27, 1994



Part No	Material	Color
3505-33	Nylon	Gray

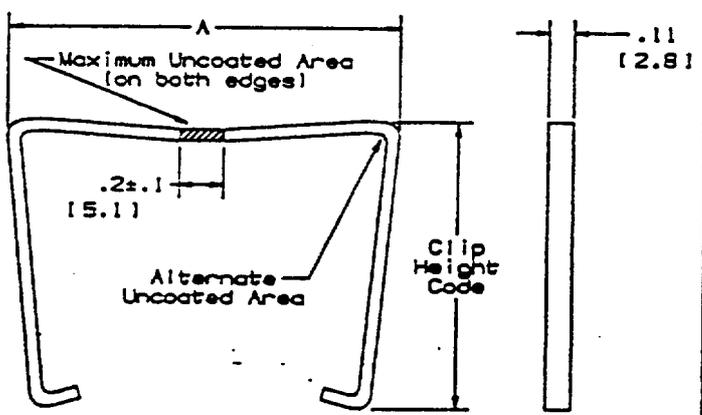
Polarizing Keys



Part No	Material	Color	Dim A
3518	PBT	Gray	.02
NG518	PBT	Gray	None
NGS18	PCT	Beige	.02

Note: #2218 B/A Scotchgard can be used to adhere keys.

Short/Long Socket Retainer Clip

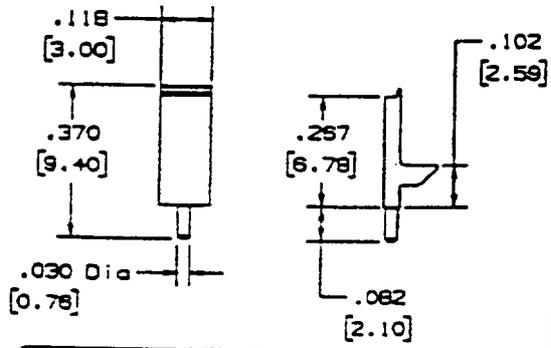


Conn. Pin Count	Dim A
10	.81 [20.8]
14	1.02 [25.9]
18	1.12 [28.4]
20	1.32 [33.5]
24	1.52 [38.7]
28	1.83 [46.4]
30	1.83 [46.4]
34	2.03 [51.8]
40	2.33 [59.2]
50	2.83 [71.9]
60	3.33 [84.8]
64	3.53 [89.7]

3505-8XXX

Clip Height Code
 0 = .31 [7.9] for Sockets W/O Strain Relief
 1 = .53 [13.5] for Sockets with Strain Relief
 Conn. Pin Count: See Table

Polarizing Post



Part No.	Material	Color
3201-1	PBT	Gray
3201-2	PCT	Beige

TS-0167-07

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