

3M™ CF Card Header

CompactFlash™ Type I, Surface Mount

7E50 Series



- Meets CFA standards
- Single row solder tails with 0.635 mm spacing
- Board component clearance with 1.64 mm standoff
- Ejector option for easy removal of CF Card
- Retainer clip option permits stability for mobile and high vibration applications

Date Modified: May 30, 2003

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Physical

Insulation
Material: Liquid Crystal Polyester (LCP)
Flammability: UL 94V-0
Color: Beige

Contact
Material: Copper Alloy

Plating
Underplating: 100 μ " [2.54 μ m] Nickel — QQ-N-290, Class 2
Wiping Area: Gold Flash over 80/20 Palladium Nickel
Solder Tails: 50 μ " [1.27 μ m] 85/15 Tin Lead — MIL-P-81728

Electrical

Current Rating: .5 A
Insulation Resistance: $>1 \times 10^9 \Omega$ at 500 Vdc
 $>1 \times 10^8 \Omega$ at 500 Vdc after Environmental Conditioning
Withstanding Voltage: 500 Vrms at Sea Level

Environmental

Temperature Rating: -55°C to +85°C
Process Rating: Maximum 235°C, with 90 seconds over 215°C

CompactFlash is a registered trademark of SanDisk Corporation.

UL File No.: E68080

3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

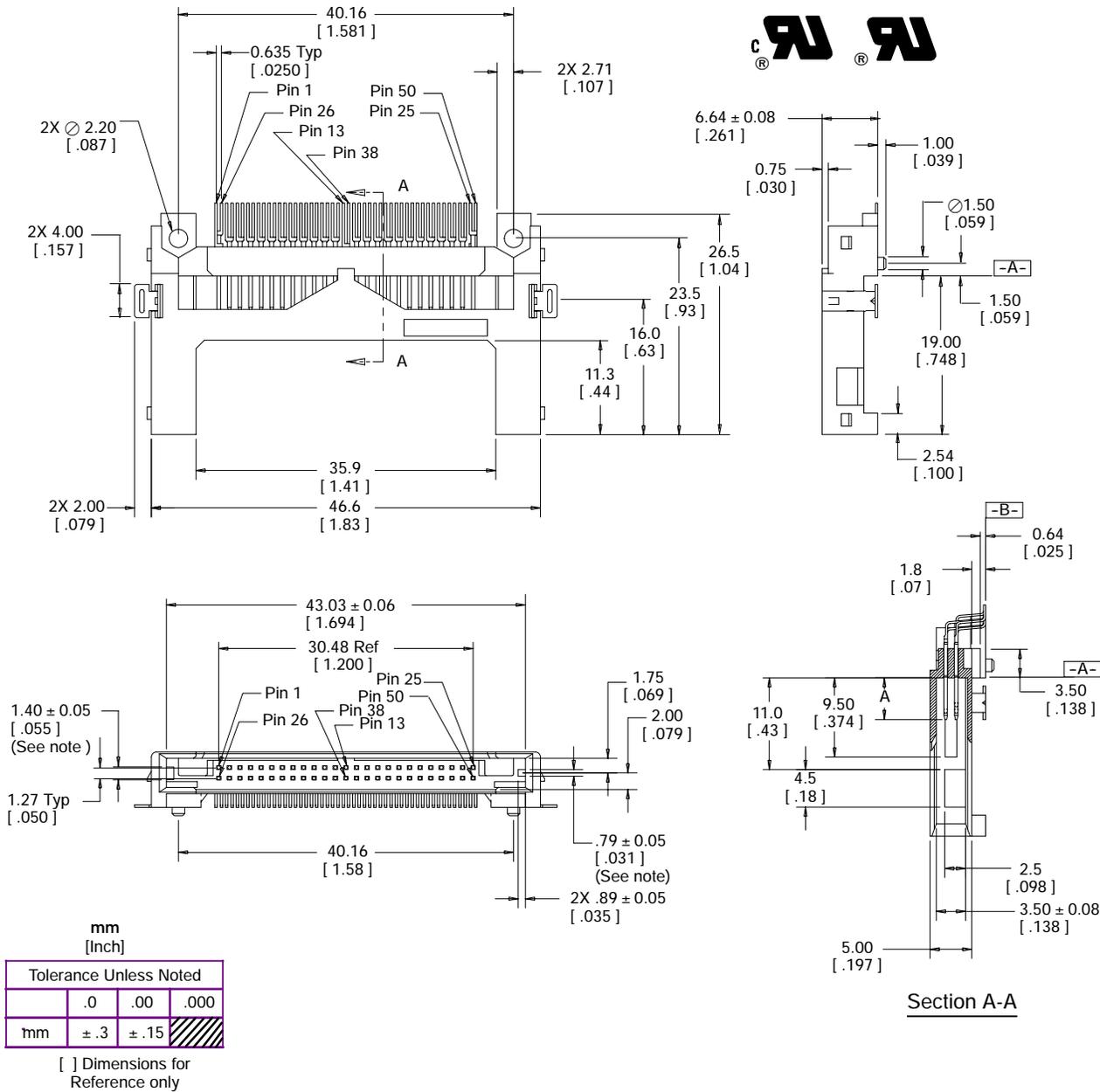
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For technical, sales or ordering information call
800-225-5373

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Pin Type	Interface Dim A	Pin No.
detect	3.50 [.138]	25, 26
general	4.25 [.167]	all other pins
power	5.00 [.197]	1, 13, 38 & 50



Note: Normal (Option "7") style shown. For Inverse style rotate polarization keys and pin call outs 180°.

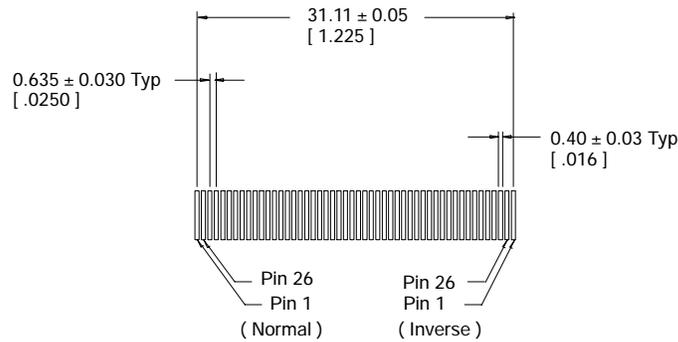
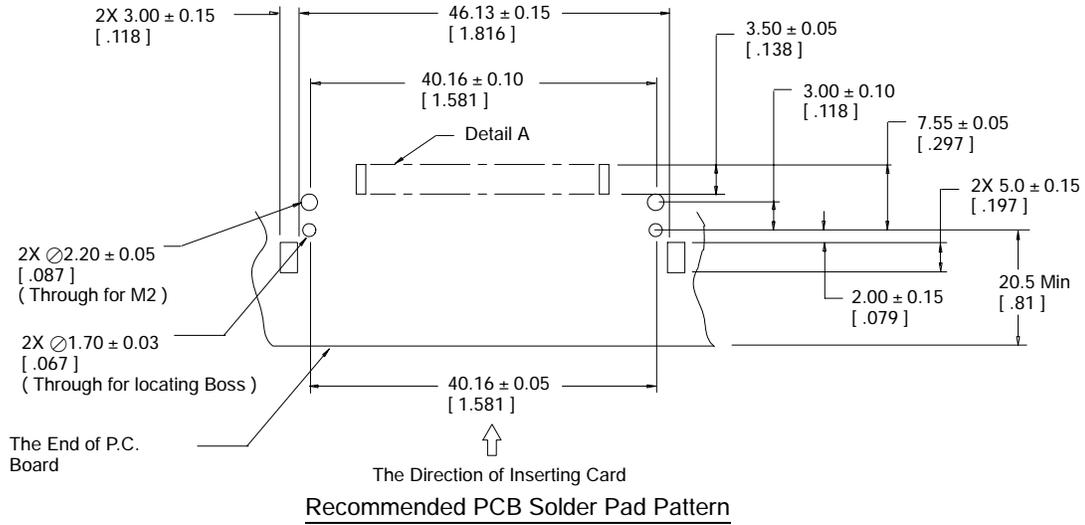
Ordering Information

N7E50-X516XX-20

Options: CF Card Polarization
 7 = Normal
 A = Inverse

Plating
 VU = Au Flash over 25µ" [0.64µm] PdNi

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Detail A

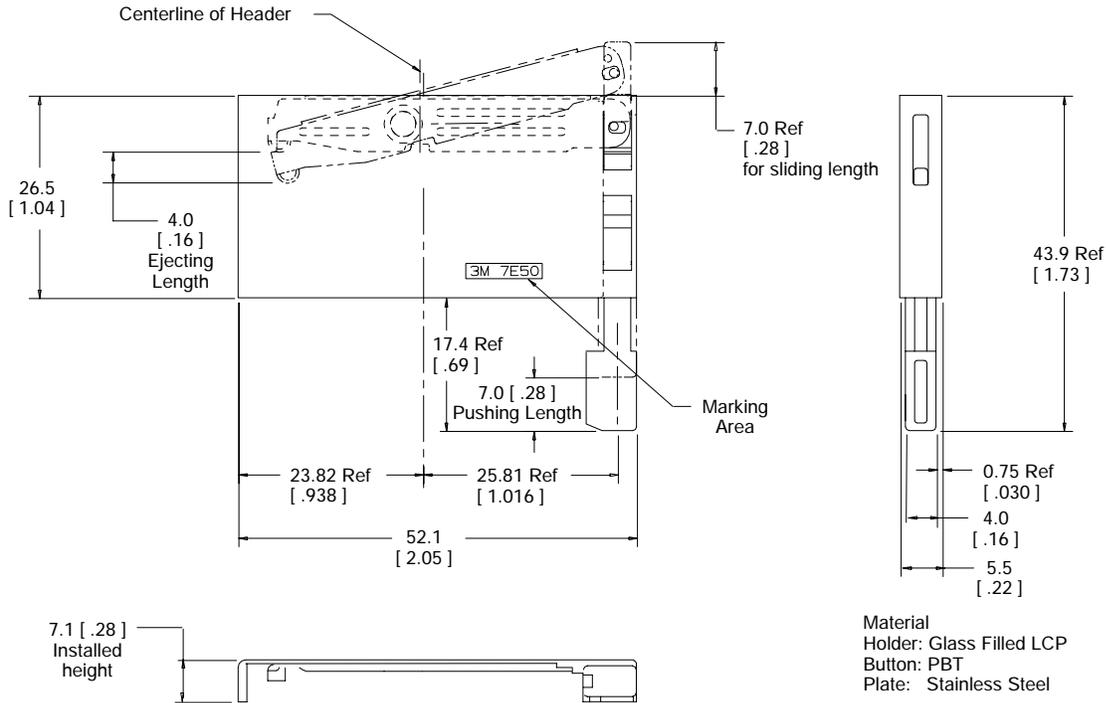
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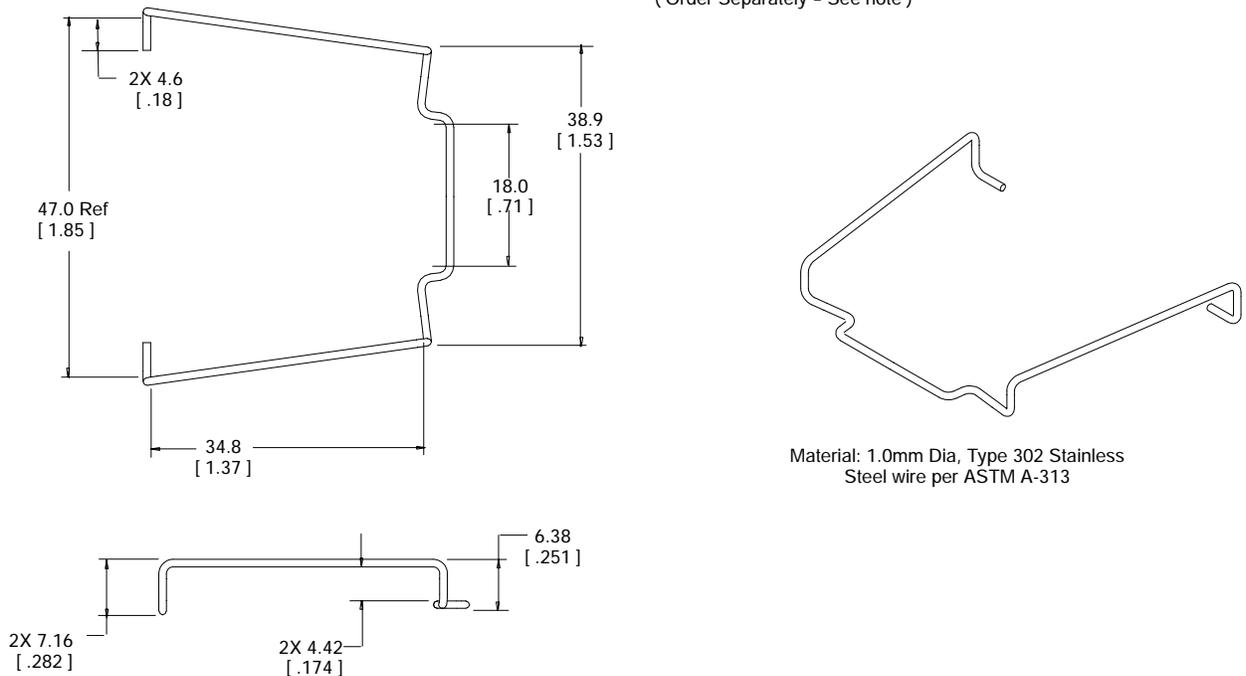
Right Button Ejector 3M Part D7E50-7316-03

(Order Separately - See note)



CF Card Retainer Clip 3M Part 3505-34

(Order Separately - See note)



Note: Use of either an ejector or a retainer clip excludes the use of the other.

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Electronic and Interconnect Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
www.3M.com/eisd

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