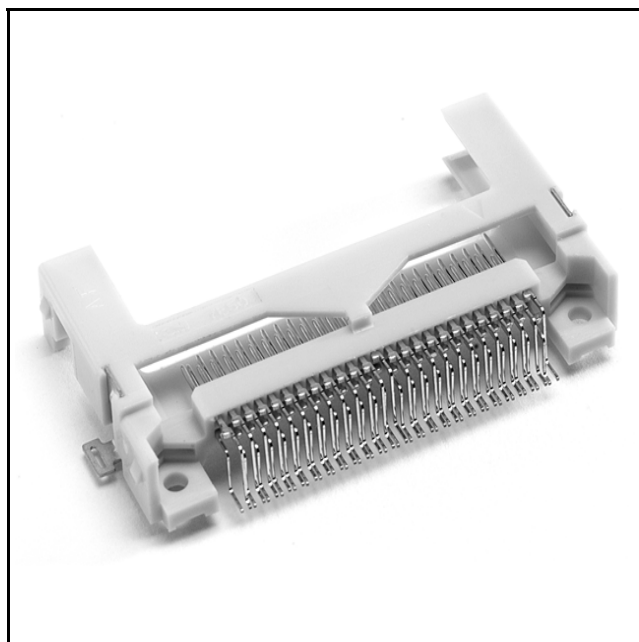


3M™ CF Card Header

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
- RoHS* compliant version (PG & PK plating suffix) available

Date Modified: July 29, 2005

TS-0662-20
Sheet 1 of 4

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
Wiping Area: Gold flash over 80/20 Palladium Nickel (see Ordering Information)
Solder Tails: 50 μ " [1.27 μ m] 85/15 Tin Lead - or Gold Flash (see Ordering Information)

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

*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080

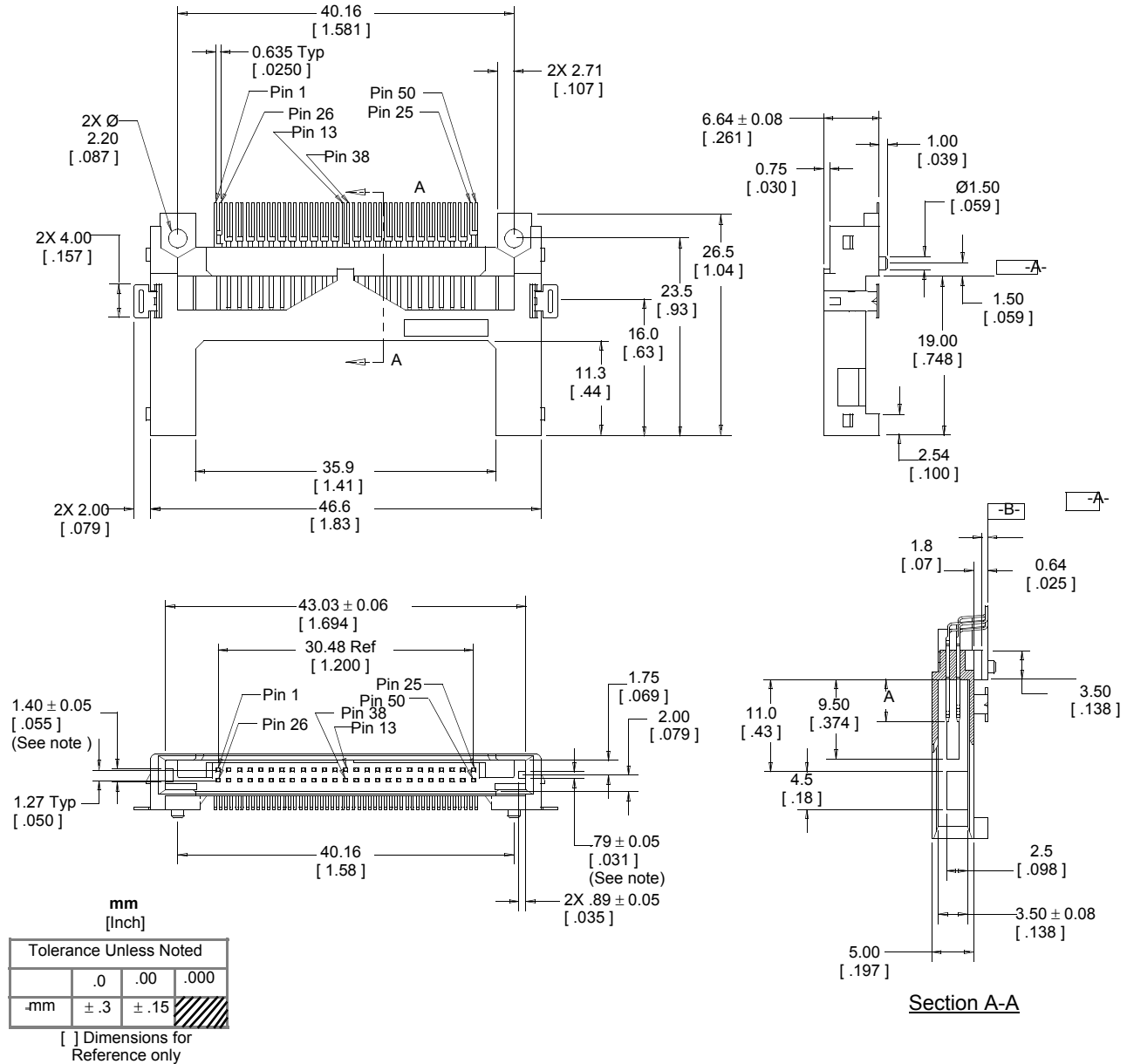
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3M™ CF Card Header

CompactFlash™ Type I, Surface Mount

7E50 Series

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 with Sn-Pb
PG = Au Flash over 25u" [.64μm] PdNi with Au Flash tails
(RoHS compliant)
PK = Au Flash over 20 u" [0.5μm] PdNi with Au flash tails
(RoHS compliant)

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Interconnect Solutions

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

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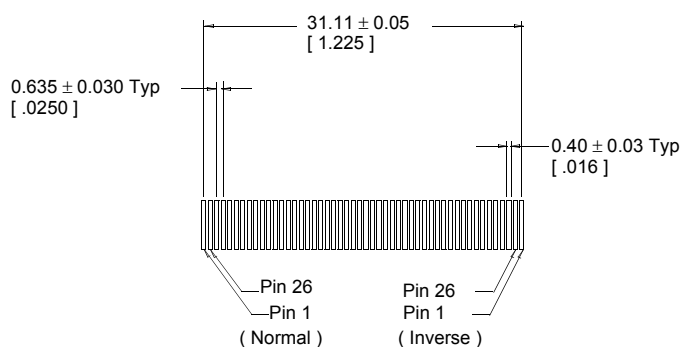
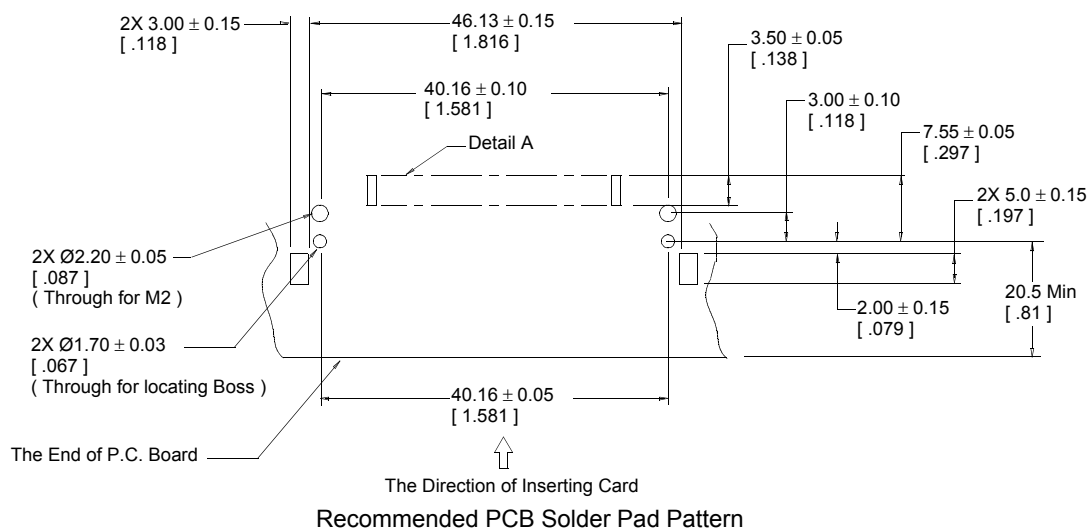
For technical, sales or ordering information call

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3M™ CF Card Header

CompactFlash™ Type I, Surface Mount

7E50 Series



Detail A

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Sheet 3 of 4

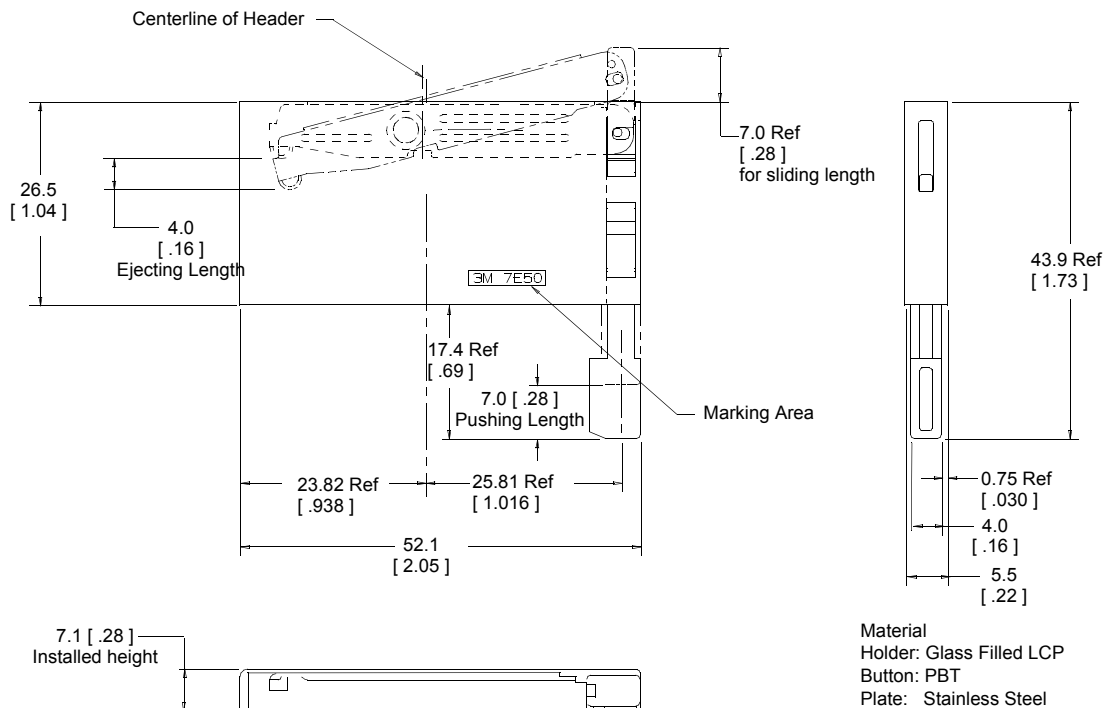
3M™ CF Card Header

CompactFlash™ Type I, Surface Mount

7E50 Series

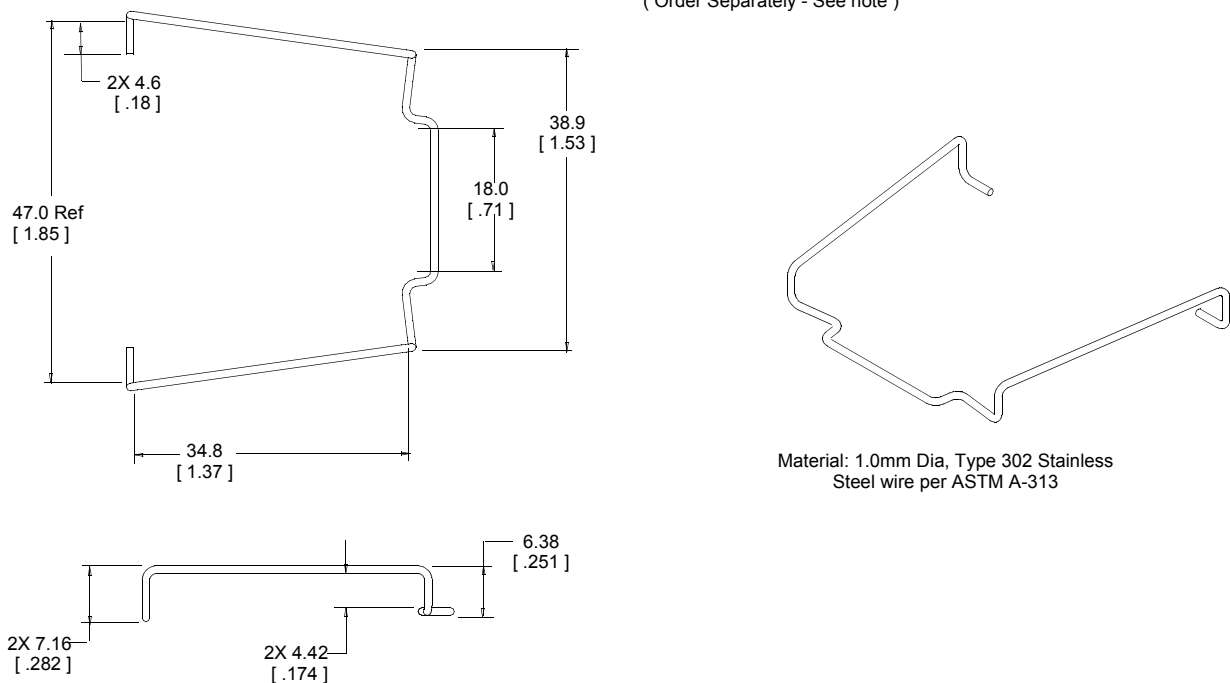
Right Button Ejector 3M Part **D7E50-7316-03**

(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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Interconnect Solutions

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Minimum 10%
Post-Consumer Fiber

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