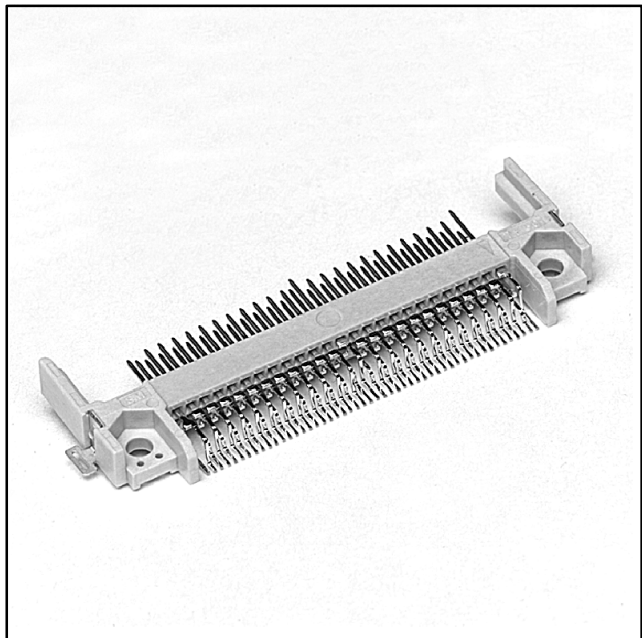


# 3M™ CF Card Header

CompactFlash™ Type I, Low Profile, Surface Mount



- Meets CFA standards
- 4.0 mm low profile height
- Single row solder tails with 0.635 mm spacing
- Ejector option for easy removal of CF Card

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

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

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## 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

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## 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 the SanDisk Corporation.

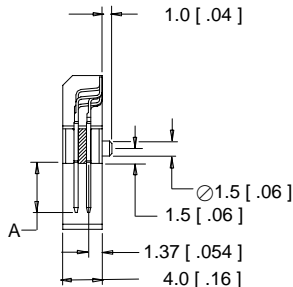
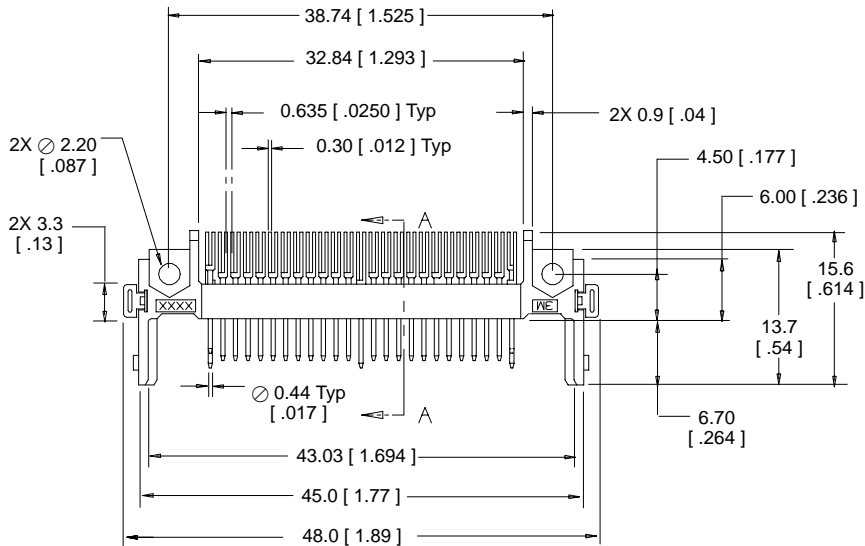
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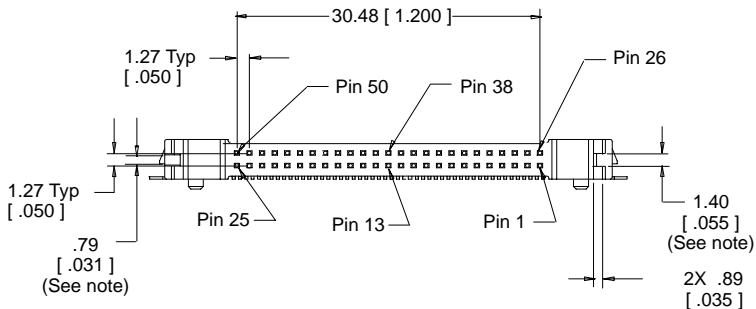
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**800-225-5373**


# CompactFlash™ Type I, Low Profile, Surface Mount

Pin Type	Interface Dim A	Pin No.
detect	3.50 [ .137 ]	25, 26
general	4.25 [ .167 ]	all other pins
power	5.00 [ .196 ]	1, 13, 38 & 50



Section A-A



mm [Inch]			
Tolerance Unless Noted			
	.0	.00	.000
mm	± .3	± .15	

[ ] Dimensions for Reference only

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

## Ordering Information

**N7E50-X516XX-30**

Options: CF Card Polarization / Solder Tabs / Ejector:

A = Inverse / with solder tab / ejector acceptable  
C = Normal / without solder tab / ejector not acceptable  
D = Normal / with solder tab / ejector not acceptable  
E = Normal / with solder tab / ejector acceptable

Options: Plating

VY = Au Flash over 20μ" [ 0.50μm ] PdNi  
VU = Au Flash over 25μ" [ 0.64μm ] PdNi

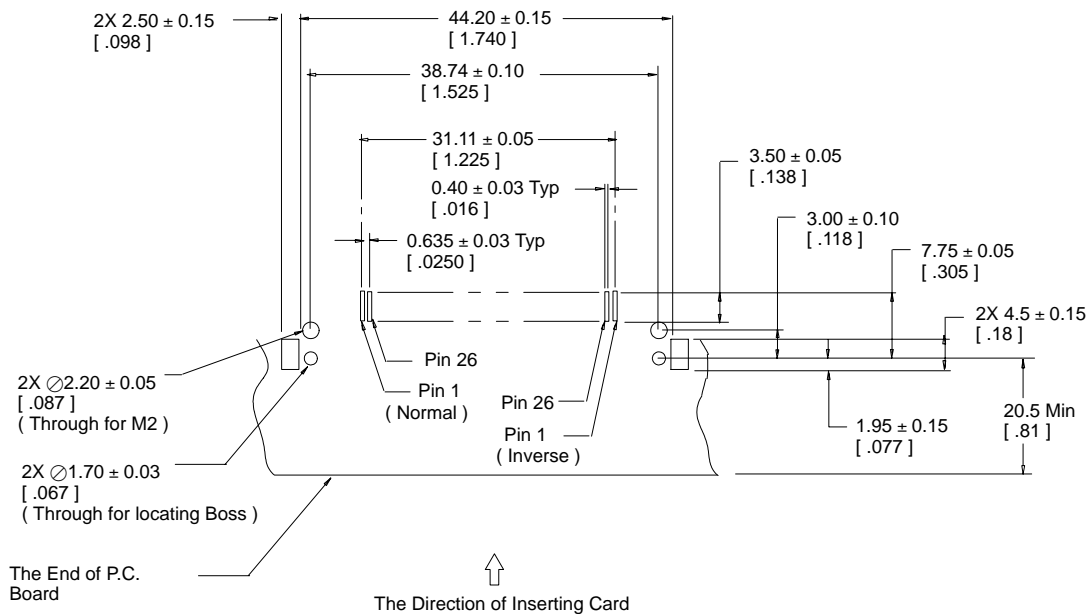
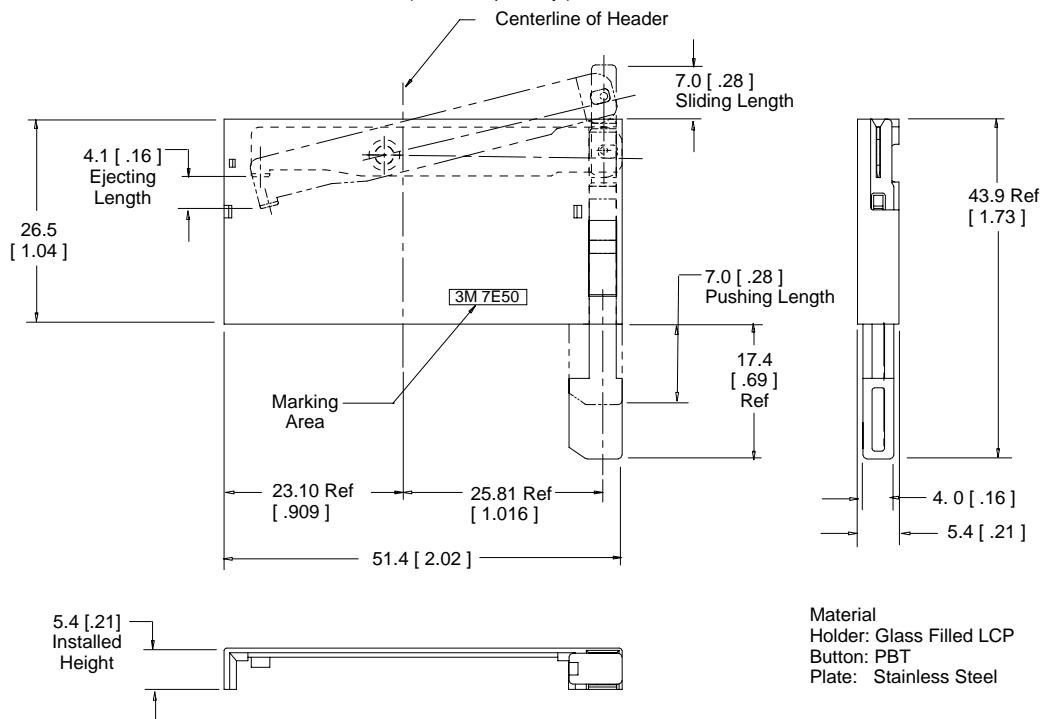
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# 3M™ CF Card Header

## CompactFlash™ Type I, Low Profile, Surface Mount

### Right Button Ejector 3M Part D7E50-8316-03

( Order Separately )



### Recommended PCB Solder Pad Pattern

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