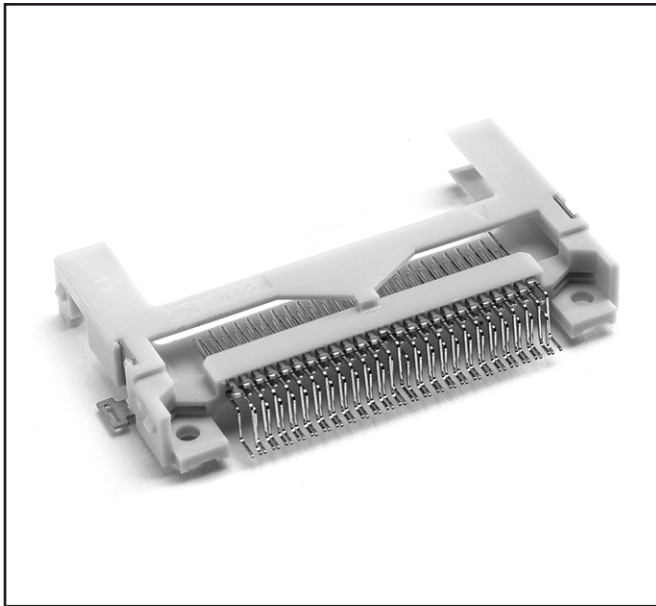


3M™ CF Card Header

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. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3Mconnectors.com for compliance information (RIA E1 and C1 apply)

Date Modified: July 25, 2014

TS-0662-D
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, Lubricated (see Ordering Information)

Solder Tails: Gold flash (see Ordering Information)

Marking 3M Logo, Part Number on Ejector Only

Electrical

Current Rating: .5 A

Insulation Resistance: $>1 \times 10^9 \Omega$ at 500 V_{DC}, $>1 \times 10^8 \Omega$ at 500 V_{DC} after Environmental Conditioning

Withstanding Voltage: 500 V_{RMS} at Sea Level

Current Rating: Insulation Resistance and Withstanding Voltage

Environmental

Temperature Rating: -55°C to +85°C

Process Rating: 260°C (per J-STD-020C)

UL File No.: E68080

CompactFlash is a registered trademark of Sandisk Corporation.

3M

Electronic Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

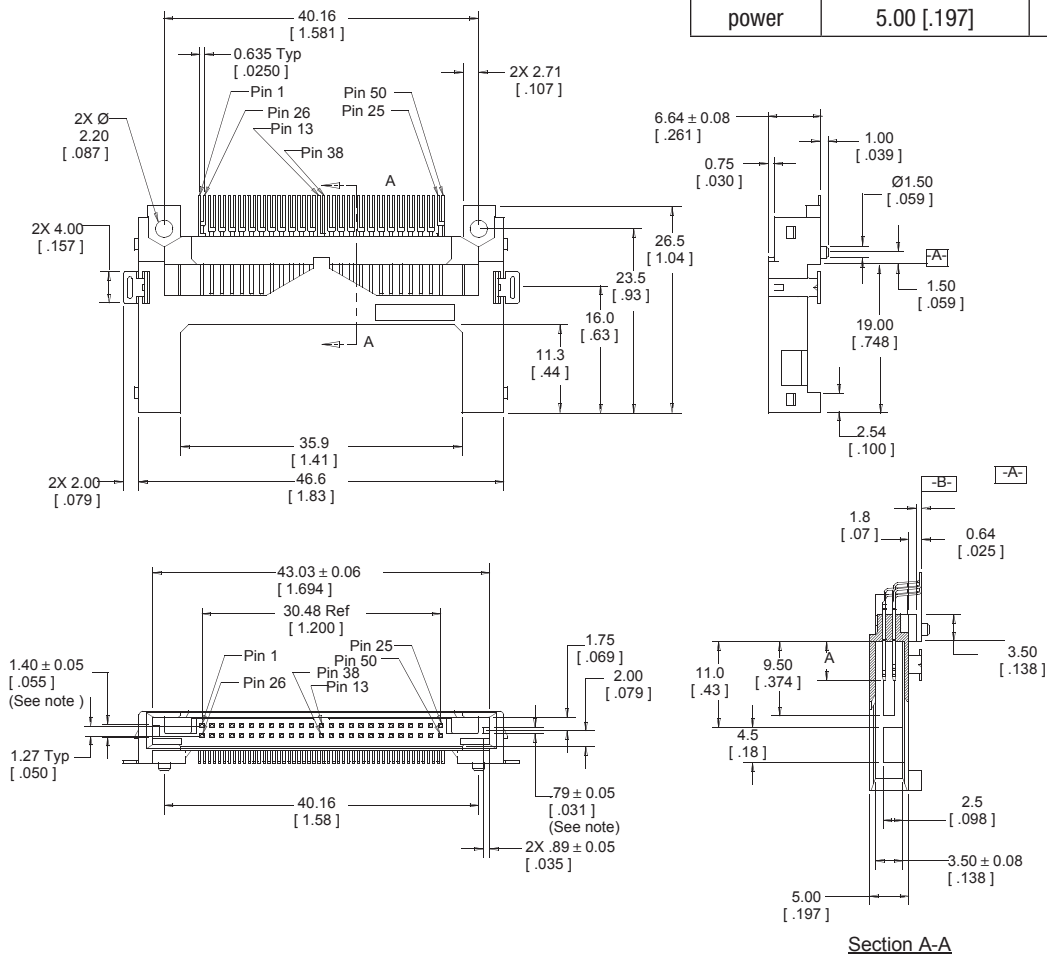
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800-225-5373

3M™ CF Card Header

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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, 3, 38 & 50 |



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

| Tolerance Unless Noted | | |
|------------------------|-----|------|
| | mm | inch |
| | .0 | .00 |
| mm | ±.3 | ±.15 |

[] Dimensions for Reference only

N7E50-X516XX-20-XX (RIA E1 & C1 apply)

Options: CF Card Polarization
 7 = Normal
 A = Inverse

Options: T&R
 WF = 72 mm

Plating:

PG = Au Flash over 25 μm [0.64 μm] PdNi Lubricated with Au Flash tails
 PK = Au Flash over 20 μm [0.5 μm] PdNi Lubricated with Au Flash tails

TS-0662-D
 Sheet 2 of 4

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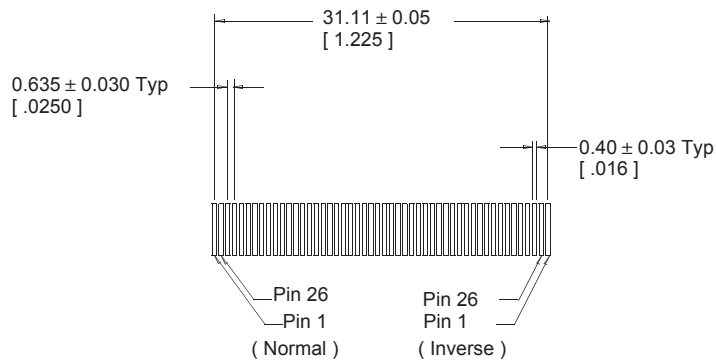
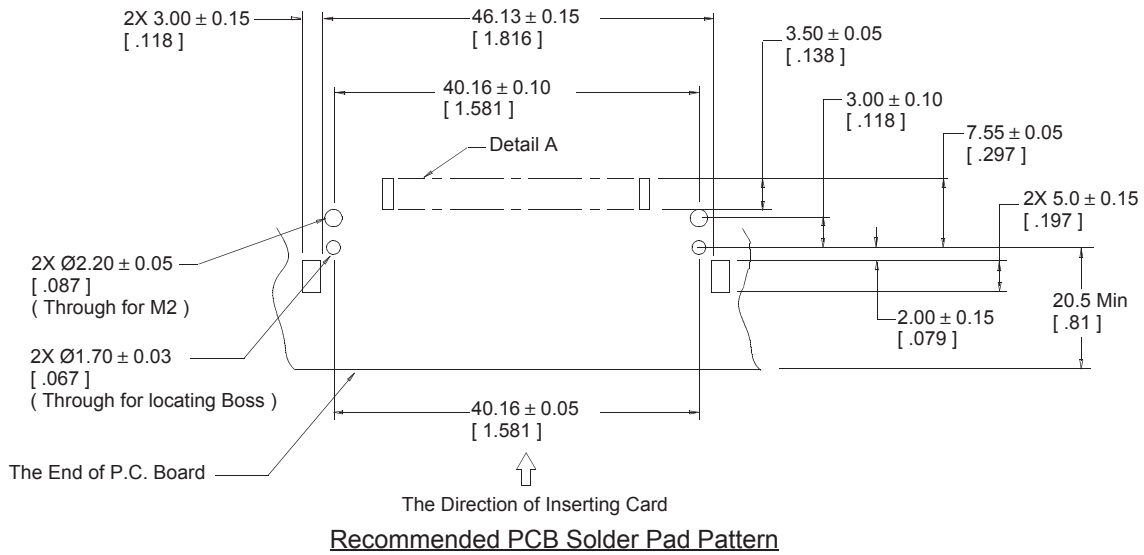
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7E50 Series

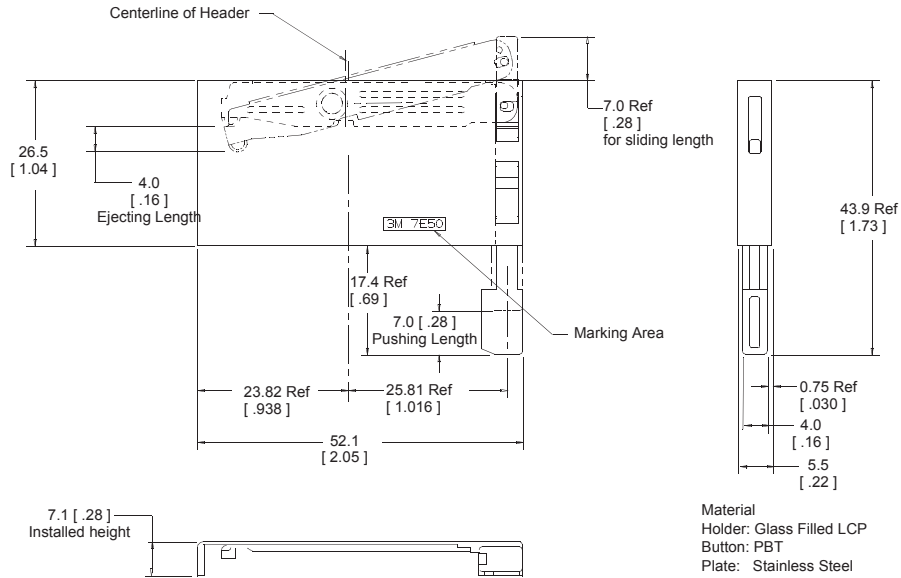


Detail A

TS-0662-D
Sheet 3 of 4

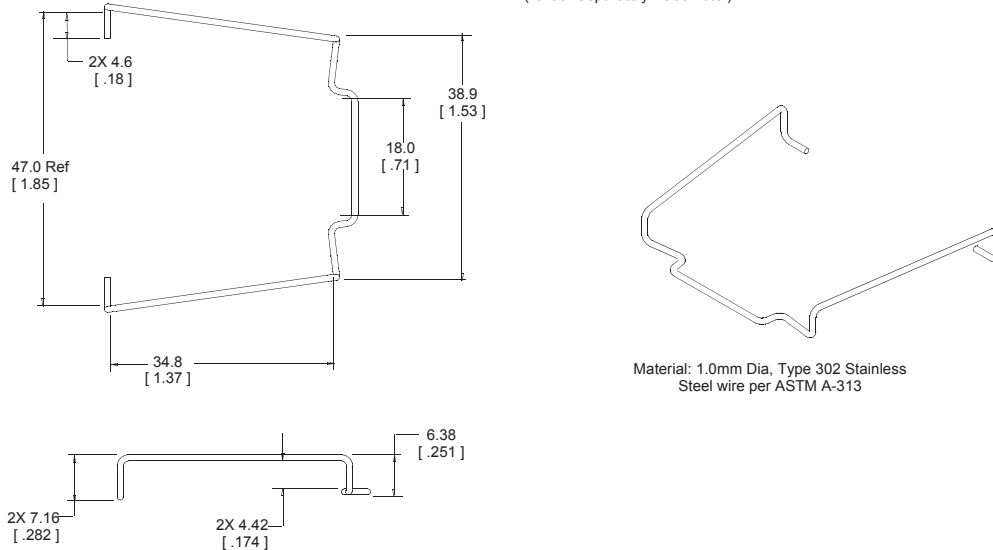
Right Button Ejector 3M Part D7E50-7316-03

(Order Separately - See note)



CF Card Retainer Clip 3M Part 3505-34

(Order Separately - See note)



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