.050″ × .050″ CF Card Low Profile Header

Type I, Surface Mount, Long Guides

- Low profile — 4.0 mm height
- Board component clearance — 0.0 mm standoff
- Cost savings — eliminates need for molded guide rails in equipment
- Single row solder tails — 0.635 mm spacing
- Meets CFA standards — known reliability

Date Modified: August 19, 1999

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Physical

Insulation	
Material:	Liquid Crystal Polyester (LCP)
Flammability:	UL 94V-0
Color:	Beige
Contact	
Material:	Copper Alloy
Plating	
Underplate:	100 μ″ [2.54 μm] Nickel — QQ-N-290, Class 2
Wiping Area:	Gold Flash over 80/20 Palladium Nickel
Solder Tails:	50 μ″ [1.27 μm] 85/15 Tin Lead — MIL-P-81728

Electrical

Current Rating:	.5 A
Insulation Resistance:	$>1 \times 10^9$ Ω at 500 Vdc
	$>1 \times 10^8$ Ω 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

UL File No.: E68080

3M Interconnect Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000

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

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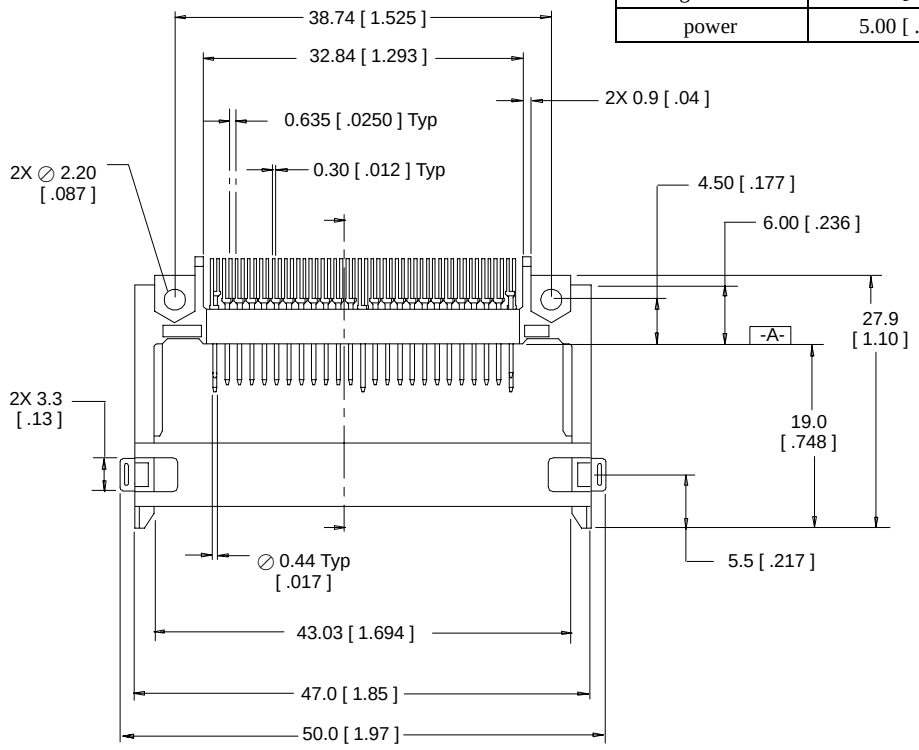
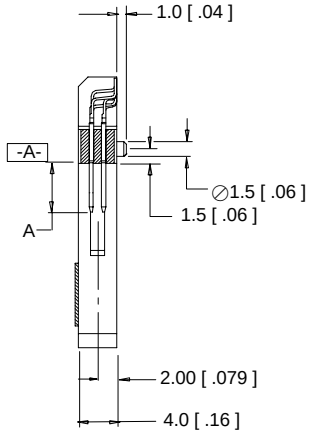
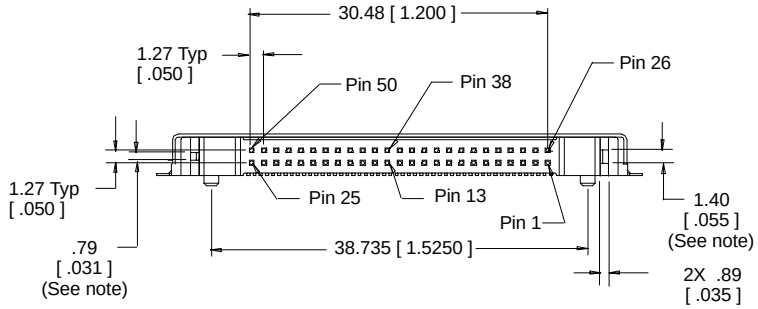
Pin Type	Interface Dim A	Pin No.
detect	3.50 [.138]	25, 26
general	4.25 [.167]	all other pins
power	5.00 [.197]	1, 13, 38 & 50





Section A-A



mm
[Inch]

Tolerance Unless Noted			
	.0	.00	.000
mm	± .3	± .15	

[ ] Dimensions for Reference only

Ordering Information

N7E50-X516XX-30

Options: CF Card Polarization / Solder Tabs / Ejector:
F = Inverse / with solder tab / ejector not acceptable

Options: Plating
VY = Au Flash over 20μ″ [0.50μm] PdNi
VU = Au Flash over 25μ″ [0.64μm] PdNi

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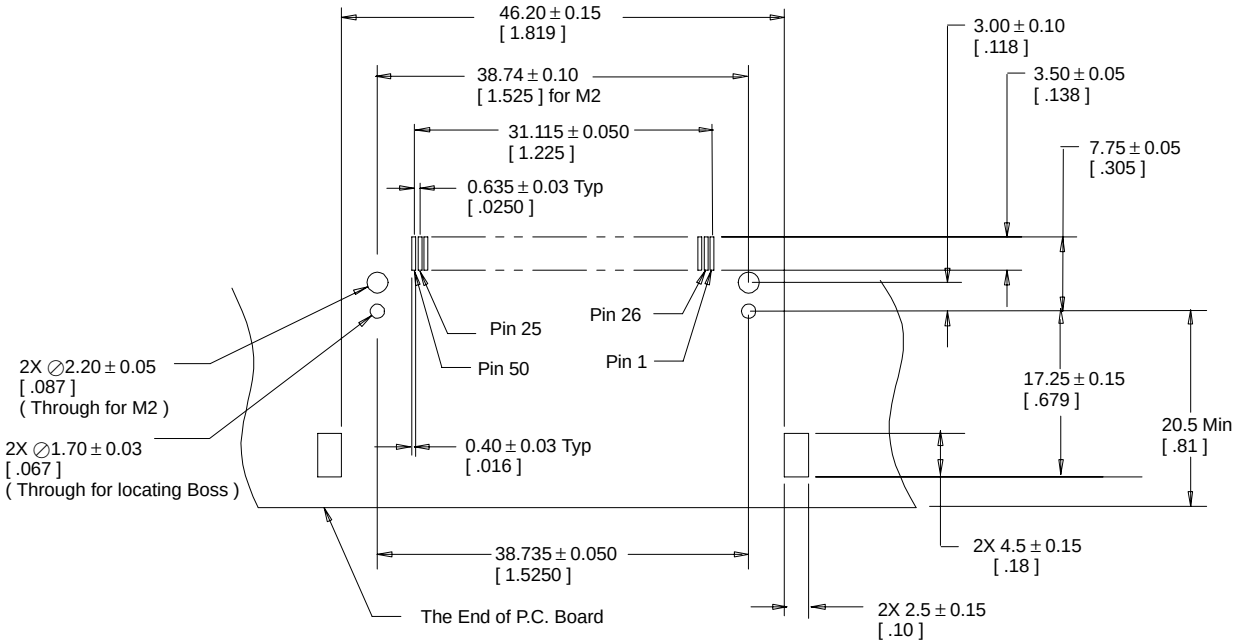

The Direction of Inserting Card

Recommended PCB Solder Pad Pattern

TS-0765-06
Sheet 3 of 3

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