

Stacking Connector

100 or 150 Position, Compression



- One-piece connector
- Surface-pressure contact
- Bus applications

Date Modified: October 24, 1999

TS-0798-04
Sheet 1 of 4

29

Physical

Insulation

Material: Glass Filled Polyester (PPS)
Flammability: UL 94V-0
Color: Black
Marking: 3M Logo & Ink Stamped Part Number

Stiffner

Material: Spring Steel
Coating: Black Epoxy

Contact

Material: Beryllium Copper
Plating
Underplating: 50 μ " (1.27 μ m) Nickel — QQ-N-290, Class 2
Wiping Area: 30 μ " (0.76 μ m) Gold — MIL-G-45204, Type II, Grade C

Electrical

Current Rating: 1 A
Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 Vdc
Voltage Rating: 30 V

Environmental

Temperature Rating: -55°C to $+105^\circ\text{C}$

UL File No.: E68080

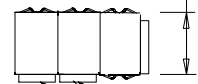
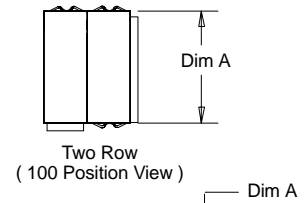
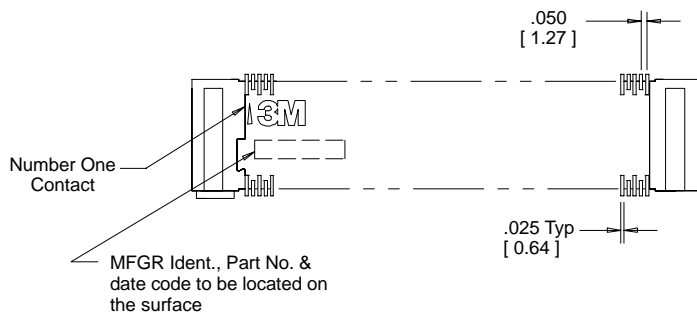
3M Interconnect Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000

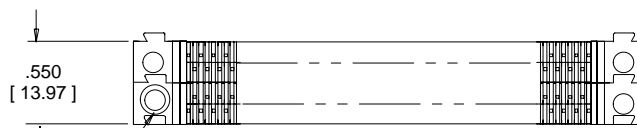
For technical, sales or ordering information call
800-225-5373

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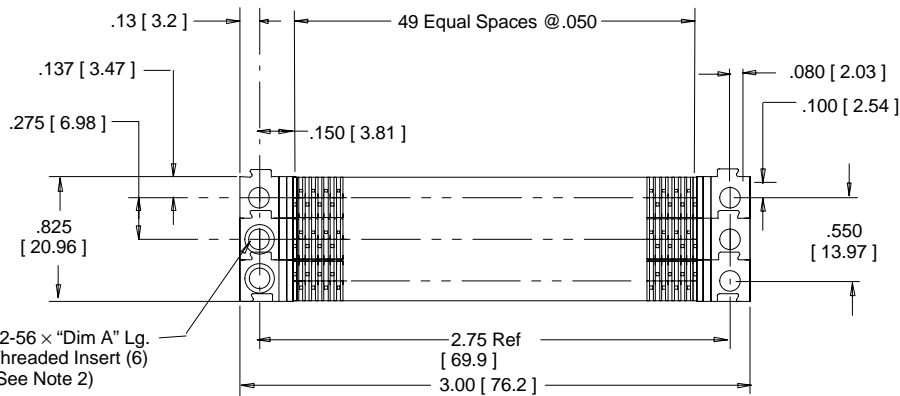


Polarizing Post Boss & Hole (2)
 $\varnothing .169 [4.29] \times .049 [1.24]$ Lg.
 $\varnothing .109 [2.77] \times .049 [1.24]$ Deep



100 Position

#2-56 × "Dim A" Lg.
 Threaded Insert (4)
 (See Note 1)



150 Position

#2-56 × "Dim A" Lg.
 Threaded Insert (6)
 (See Note 2)

Inch
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

[] Dimensions for Reference only

Note:

- The 100 position connector includes (2) stiffeners, 3M #3448-75 and requires (8) #2-56 × 5/16 long, Phillips flat head stainless steel screws.
- The 150 position connector includes (2) stiffeners, 3M #3448-76 and requires (12) #2-56 × 5/16 long, Phillips flat head stainless steel screws.

Ordering Information

389X-00X0

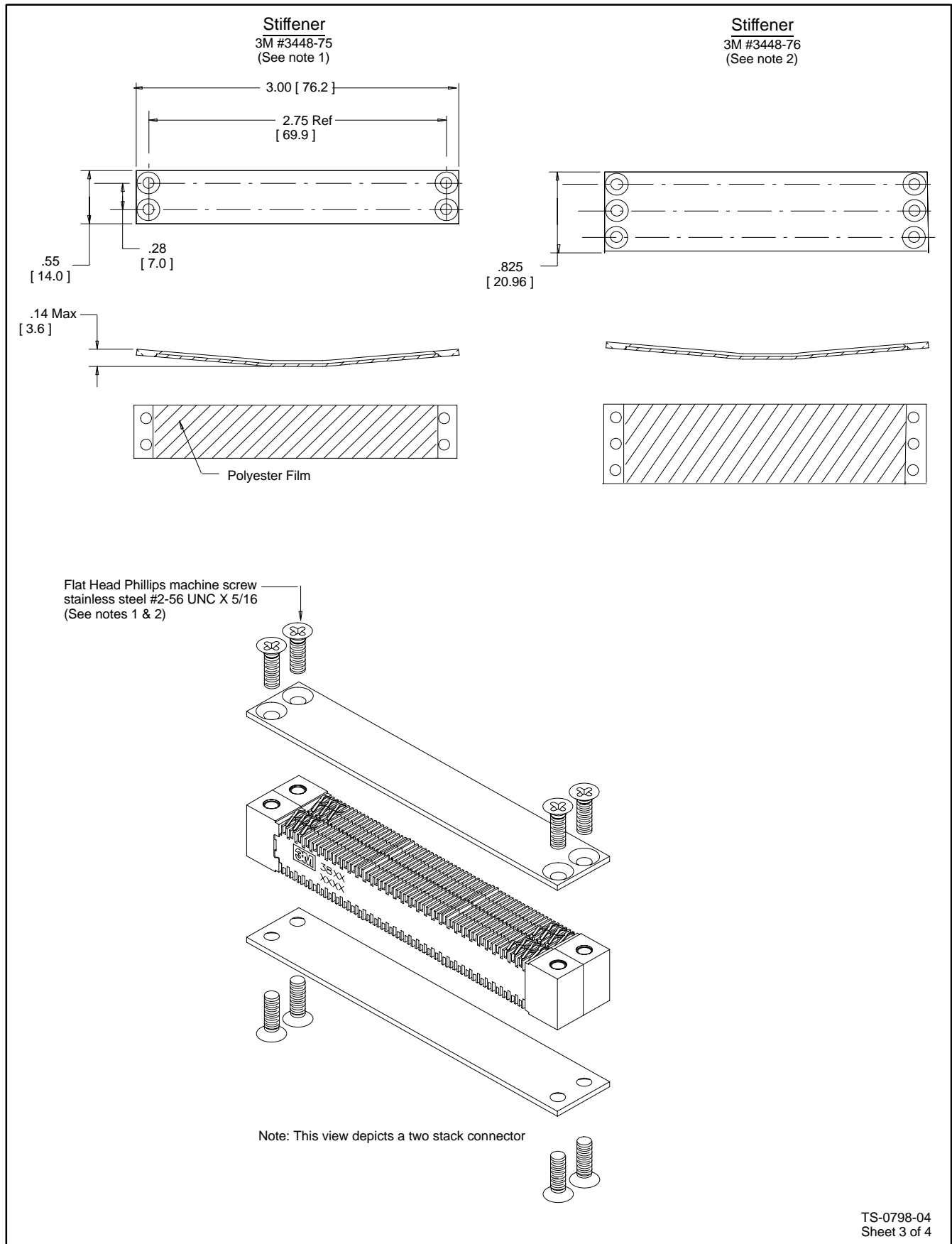
Board spacing:
 (Dimension A)
 2 = .525 [13.34]
 3 = .343 [8.71]

Contact Quantity:
 0 = 100
 5 = 150

TS-0798-04
 Sheet 2 of 4

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TS-0798-04
Sheet 3 of 4

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Board and Footprint Specification

Board

Material: G10 Glass Filled Epoxy

Thickness: .062" ± .0008"

Pad

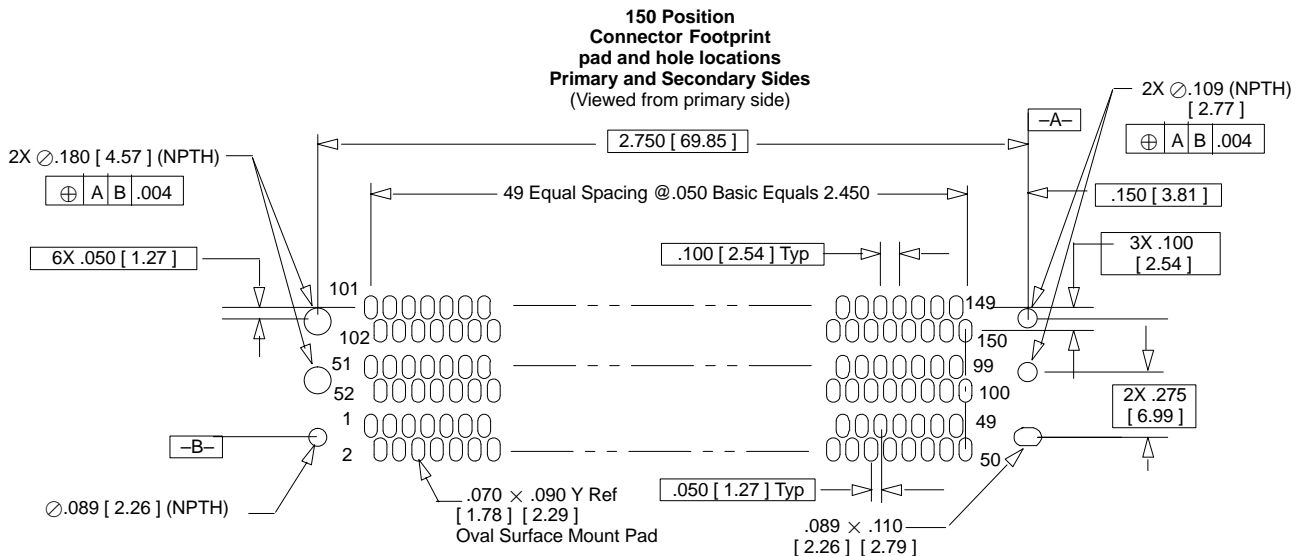
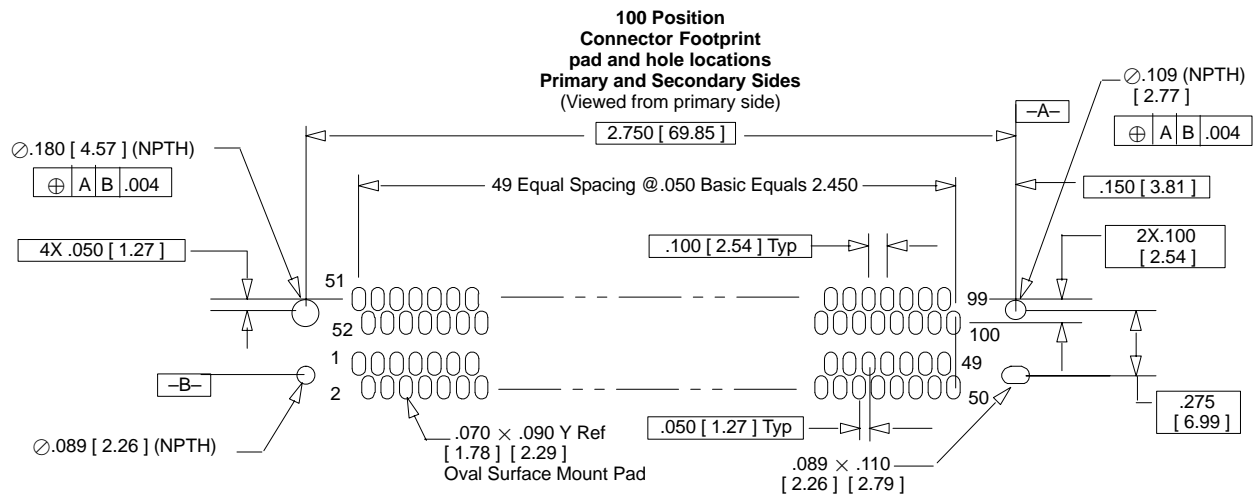
Material: 1.0 ounce Copper

Size: .055" × .090" Oval

Thickness: .0012" minimum

Underplating: 100 μ" (2.54 μm) Nickel — QQ-N-290

Plating: 30 μ" (0.76 μm) Gold — MIL-G-45204, Type II, Grade C,
130-220 Knoop hardness



TS-0798-04
Sheet 4 of 4

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