

3M™ Pak 50 Stacking Compression Connector

130 Position

388 Series



- No solder joints, compression stacking connector
- Standardized interface for Intel Modular Interface eXtension (MIX) Bus (module to module and module to baseboard connector)
- Connector heights tailored for Multibus II environment
- 130 contacts to fully accommodate “MIX” bus signals
- RoHS* compliant

Date Modified: February 9, 2005

TS-0421-15
Sheet 1 of 5

Physical

Insulation

Material: Glass Filled Polyester (PPS)
Flammability: UL 94V-0
Color: Black

Marking: 3M Logo & Ink Stamped Part Number

Stiffener

Material: Spring Steel
Coating: Black Epoxy

Contact

Material: Beryllium Copper

Plating

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

Electrical

Current Rating: 1 A

Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 VDC

Withstanding Voltage: 30 V

Environmental

Temperature Rating: -55°C to +105°C

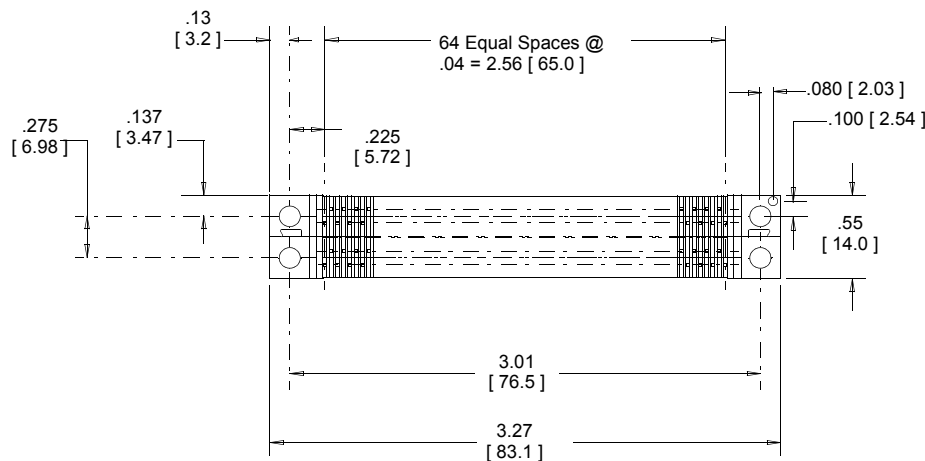
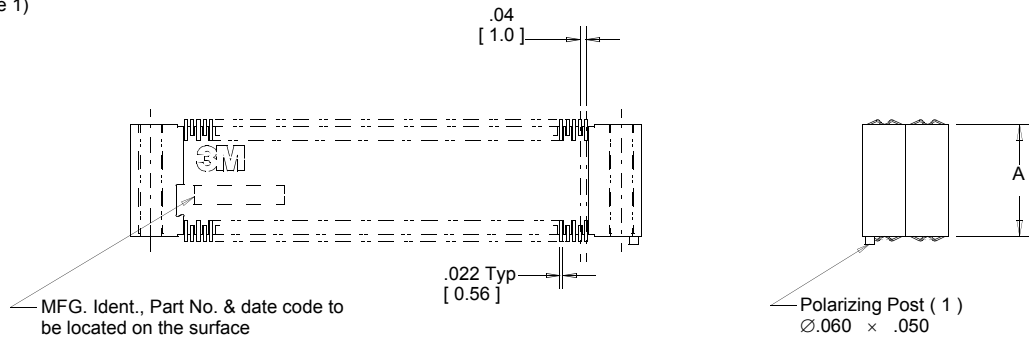
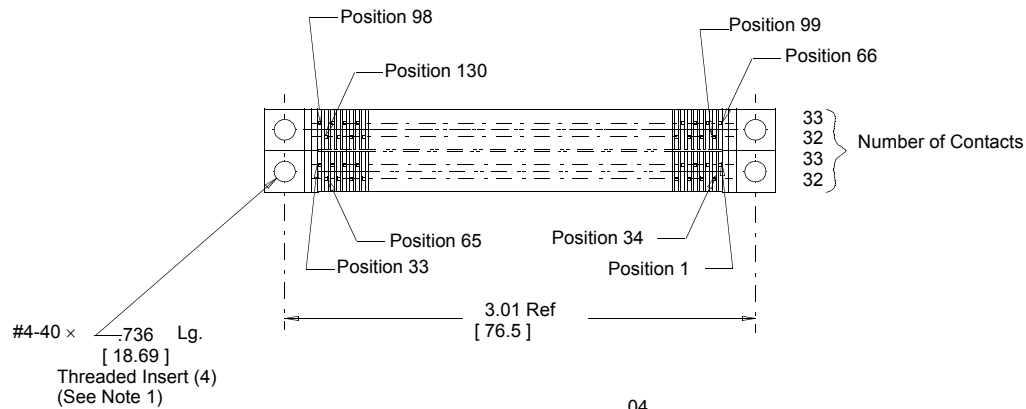
UL File No.: E68080

*RoHS = Directive 2002/95/EC,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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Inch
[mm]

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

[] Dimensions for Reference Only

Note:

- Each connector includes (8) screws, 3M #3342-8 and (2) stiffeners, 3M #3448-38.

Ordering Information

388X-100A

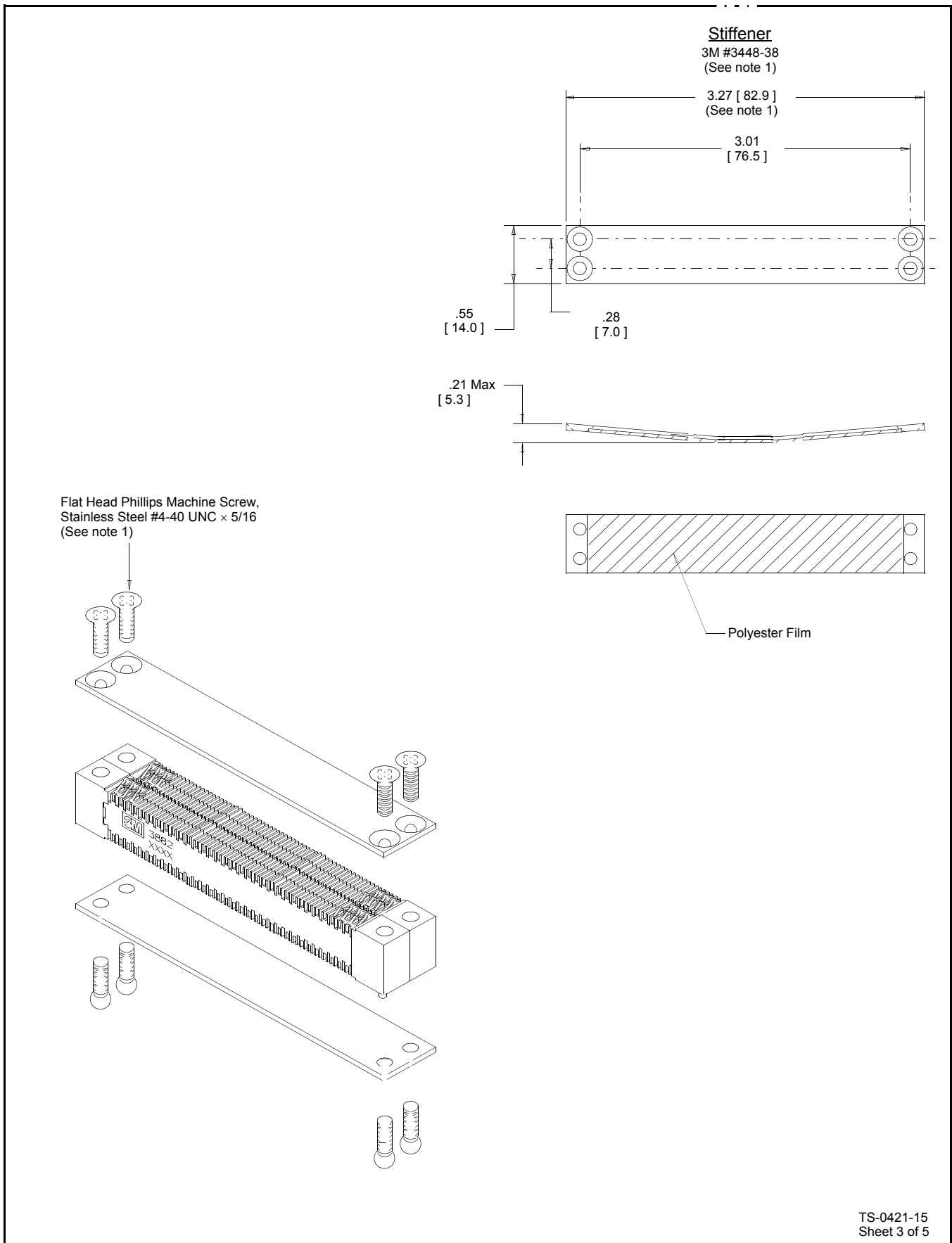
Board spacing (Dimension A)
2 = .476 [12.09]
7 = .738 [18.75]

TS-0421-15
Sheet 2 of 5

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130 Position

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TS-0421-15
Sheet 3 of 5

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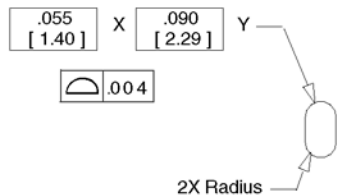
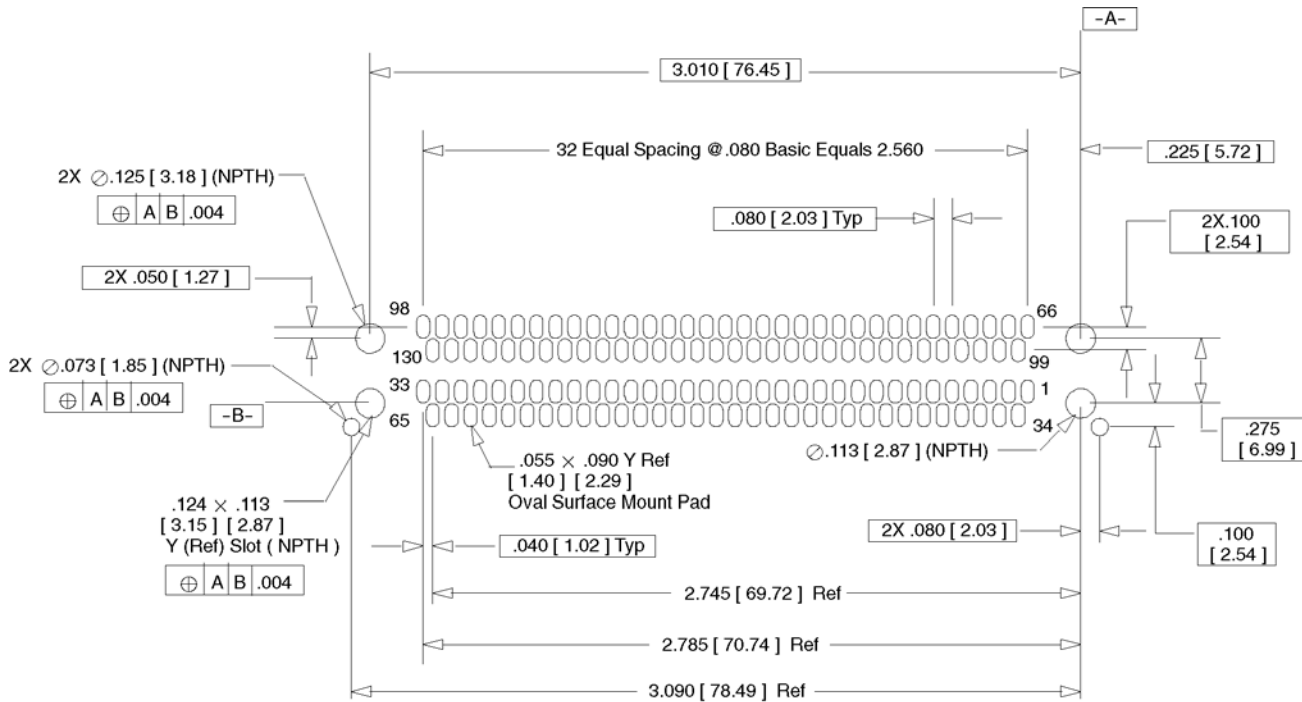
130 Position

388 Series

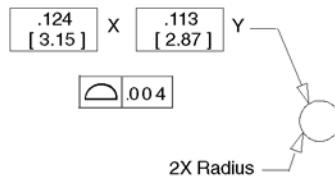
Board and Footprint Specification

- Board**
Material: G10 Glass Filled Epoxy
Thickness: .062" ± .0008"
- Pad**
Material: 1.0 ounce Copper
Size: .055" x .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

MIX Connector Footprint pad and hole locations Primary and Secondary Sides (Viewed from primary side)



**Oval SMT Pad
 Detail**



**Slot Detail
 (NPTH)**

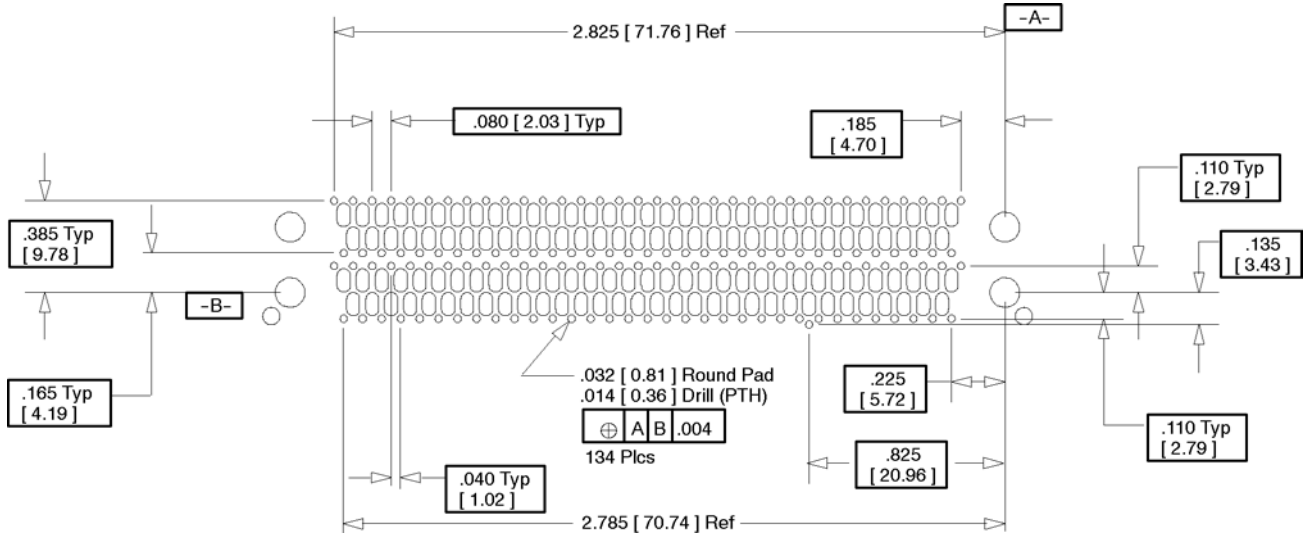
TS-0421-15
 Sheet 4 of 5

3M™ Pak 50 Stacking Compression Connector

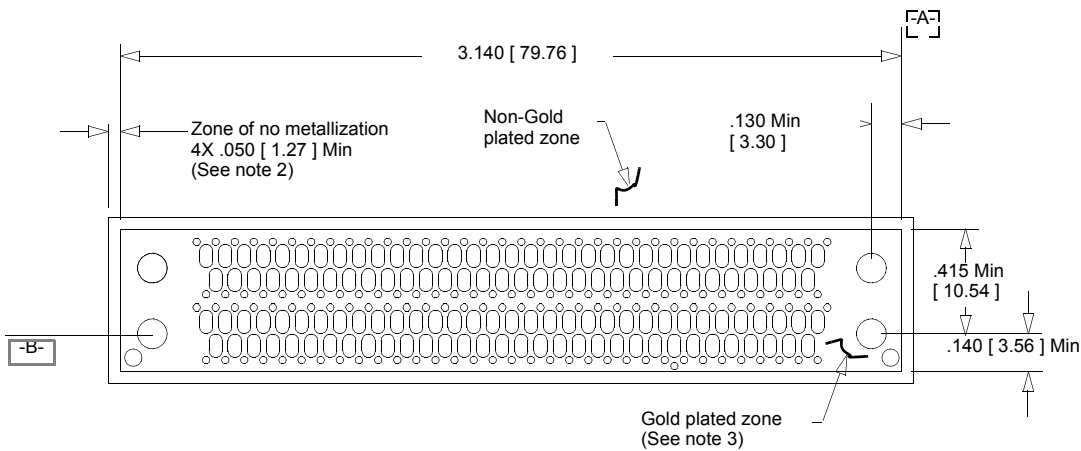
130 Position

388 Series

MIX Connector Footprint
Via Locations
Primary and Secondary
Sides
 (Viewed from primary side)



MIX Connector Footprint
Gold and Non-Gold Zones



Notes:

2. Zone of no metallization is to be clear of any copper on the primary and secondary sides.
3. Gold plated zone is to be clear of any vias other than the established via pattern.

TS-0421-15
 Sheet 5 of 5

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