

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

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

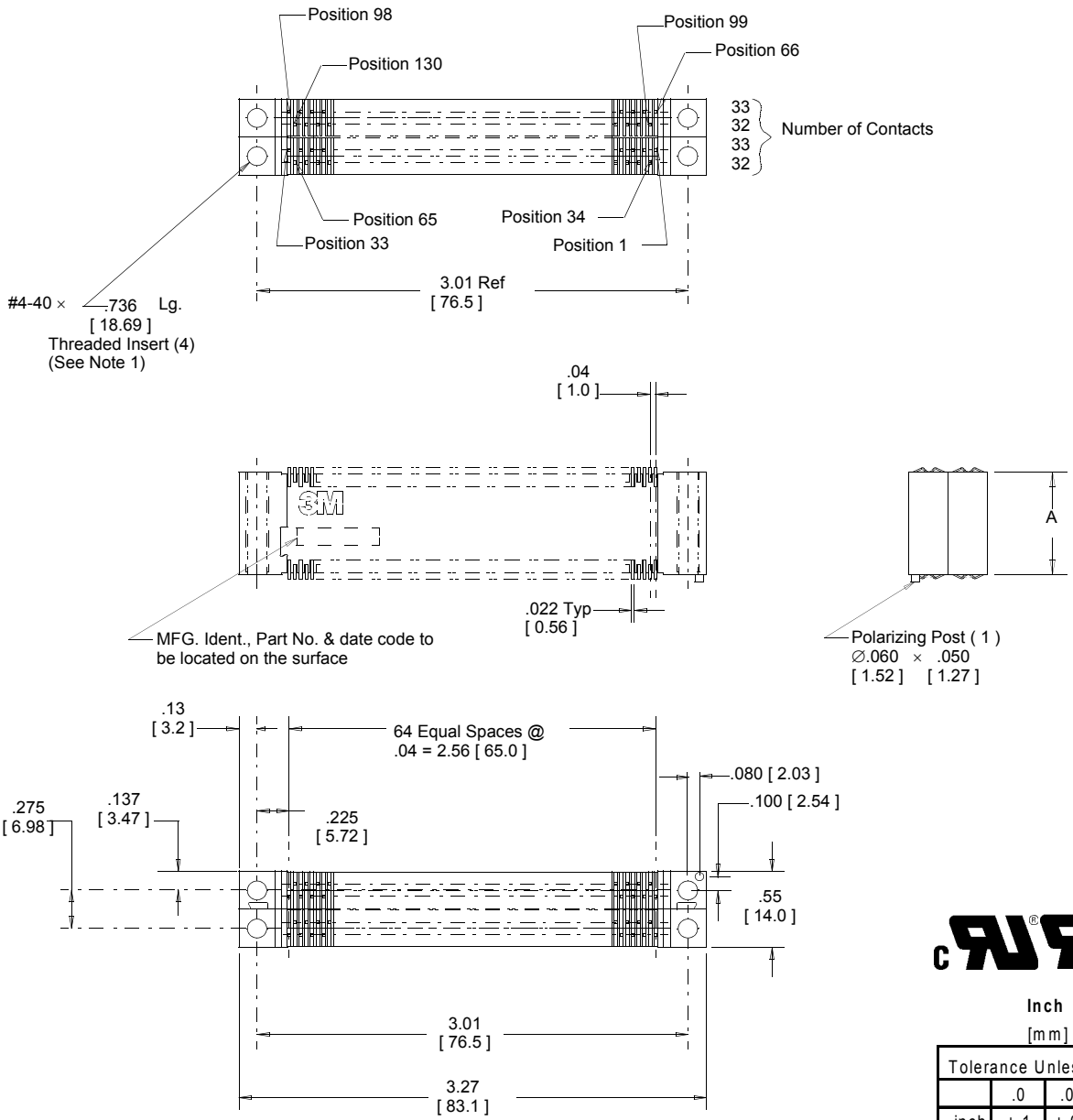
UL File No.: E68080

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

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Pak 50 Stacking Compression Connector

130 Position 388 Series



Note:

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

Inch

[mm]

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

[ ] Dimensions for Reference Only

Ordering Information

388X-100A

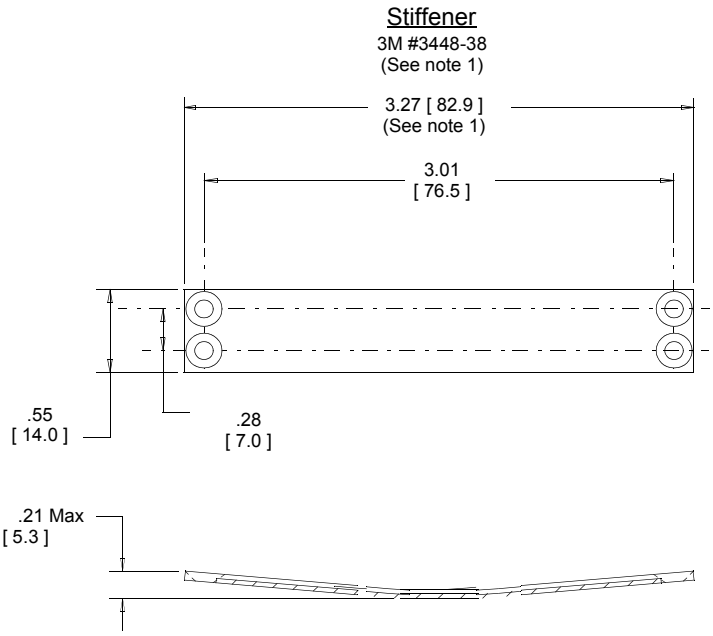
Board spacing (Dimension A)
2 = .476 [12.09]
7 = .738 [18.75]

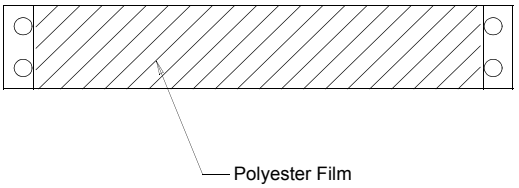
3M
Interconnect Solutions
http://www.3M.com/interconnects/

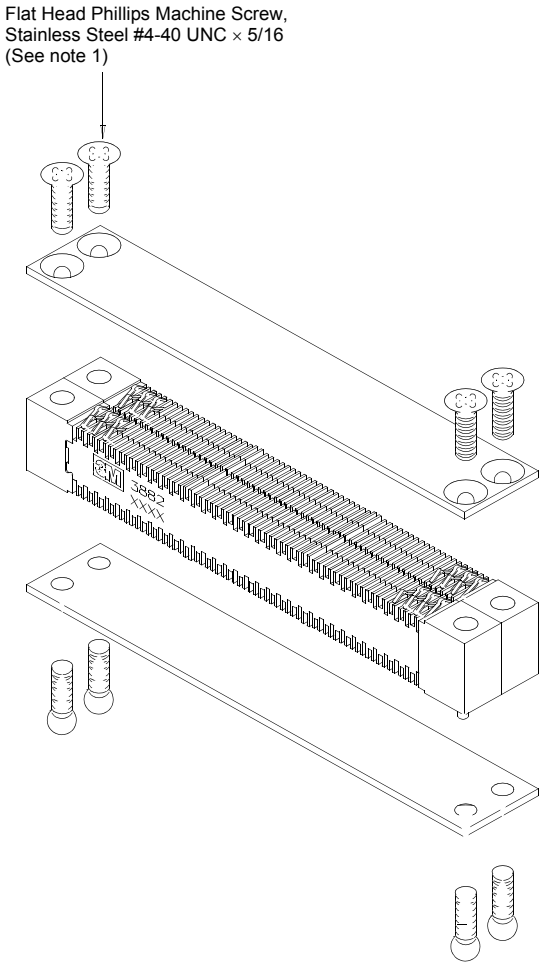
3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Pak 50 Stacking Compression Connector

130 Position 388 Series







TS-0421-15
Sheet 3 of 5

3M is a trademark of 3M Company.

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

3M™ Pak 50 Stacking Compression Connector

130 Position 388 Series

Board and Footprint Specification

Board

Material: G10 Glass Filled Epoxy

Thickness: .062″ ± .0008″

Pad

Material: 1.0 ounce Copper

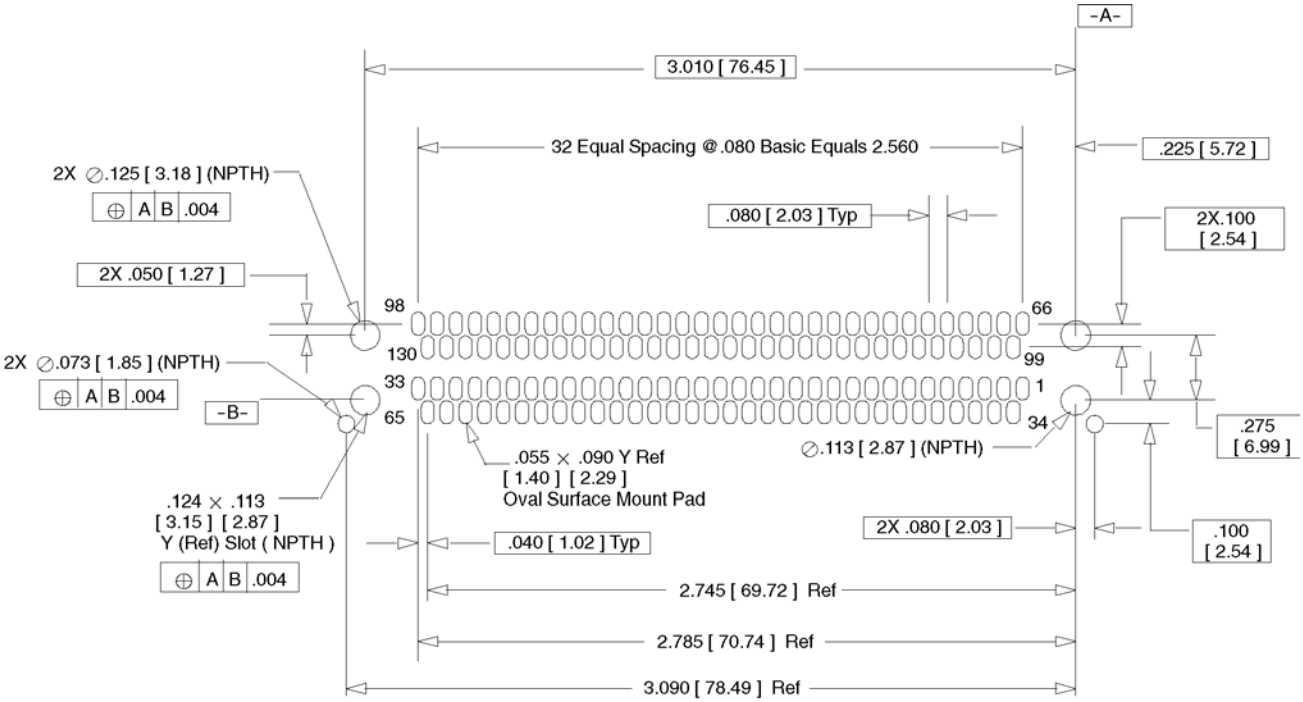
Size: .055″ x .090″ Oval

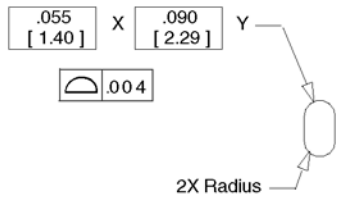
Thickness: .0012″ minimum

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

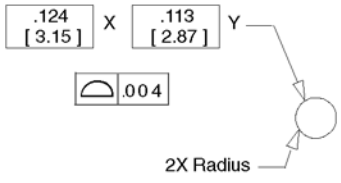
Plating: 30 µ″ (0.76 µm) Gold - MIL-G-45204, Type II, Grade C, 130-220 Knoop hardness

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





Oval SMT Pad Detail



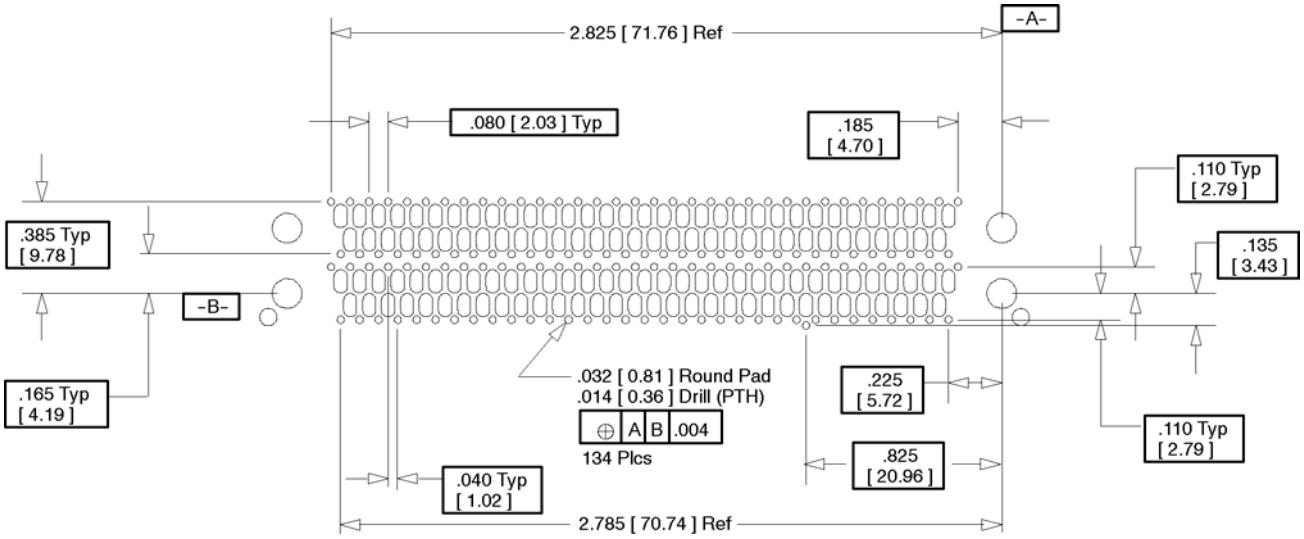
Slot Detail (NPTH)

TS-0421-15
Sheet 4 of 5

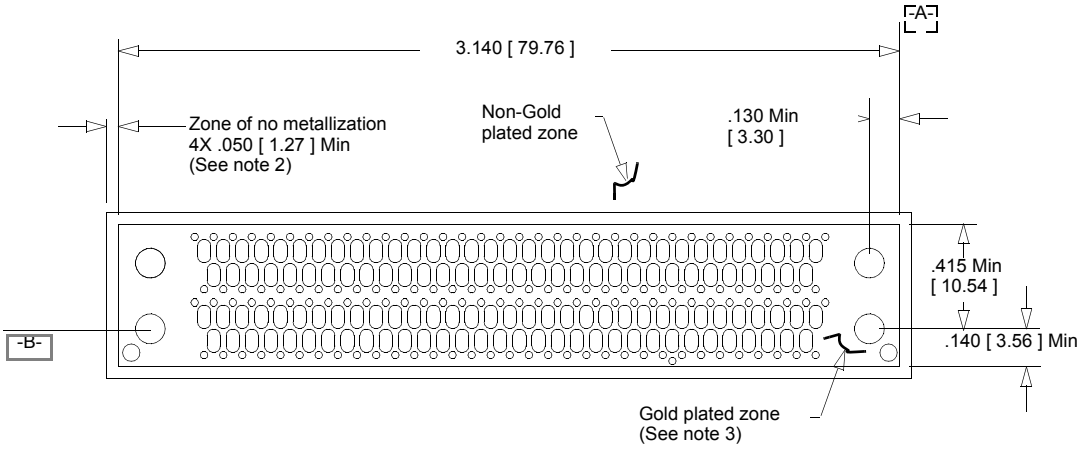
3M is a trademark of 3M Company.

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

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

3M is a trademark of 3M Company.

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

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 1 year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

3M

Electronic Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
www.3M.com/esd

Minimum 10%
Post-consumer Fiber

Printed in USA.

© 3M 2005

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP