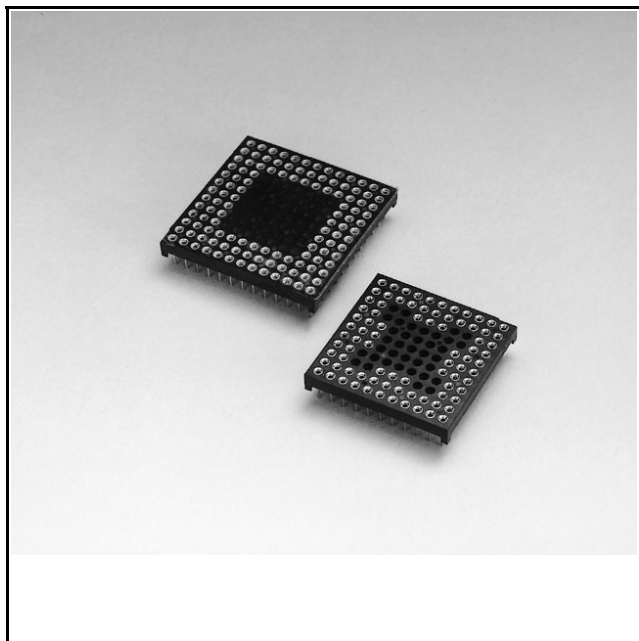


# 3M™ PGA Socket

Screw Machine

200 Series



- Accepts various PGA packages
- Reliable four finger contact interface
- Unique body design prevents air voids during soldering
- Optional seal tape for closed-body configuration
- Custom patterns available for quantities above 100
- RoHS\* compliant

Date Modified: August 8, 2008

TS-2116-B  
Sheet 1 of 2

## Physical

**Insulation Material:** Glass Filled Polyester  
Flammability: UL 94V-0  
Color: Black

**Contact Material:**  
Sleeve: Brass  
Inner contact: Beryllium Copper

**Plating Underplating:** 100  $\mu$ " [ 2.54  $\mu$ m ] min. Nickel  
Wiping Area: 8  $\mu$ " [ .02  $\mu$ m ] min. Gold  
Terminal Area: Gold flash (RoHS compliant)

**Seal Tape (optional):**  
Material: Polyester  
Color: White

**Mating Device Leads:**  
Circular Lead: 0.40~0.53 mm  
Length: 2.9 mm min.

**Marking:** None

## Electrical

**Current Resistance:** < 25m $\Omega$   
**Current Rating:** 1 A  
**Insulation Resistance:** 1,000 M $\Omega$  at 500 V<sub>DC</sub>  
**Withstanding Voltage:** 1000 V<sub>AC</sub> rms for 1 minute

## Environmental

**Temperature Rating:** -65°C to +125°C  
**Process Rating:** 260°C MAX for 5 seconds,  
(Dipping: One time)  
Not for reflow soldering.

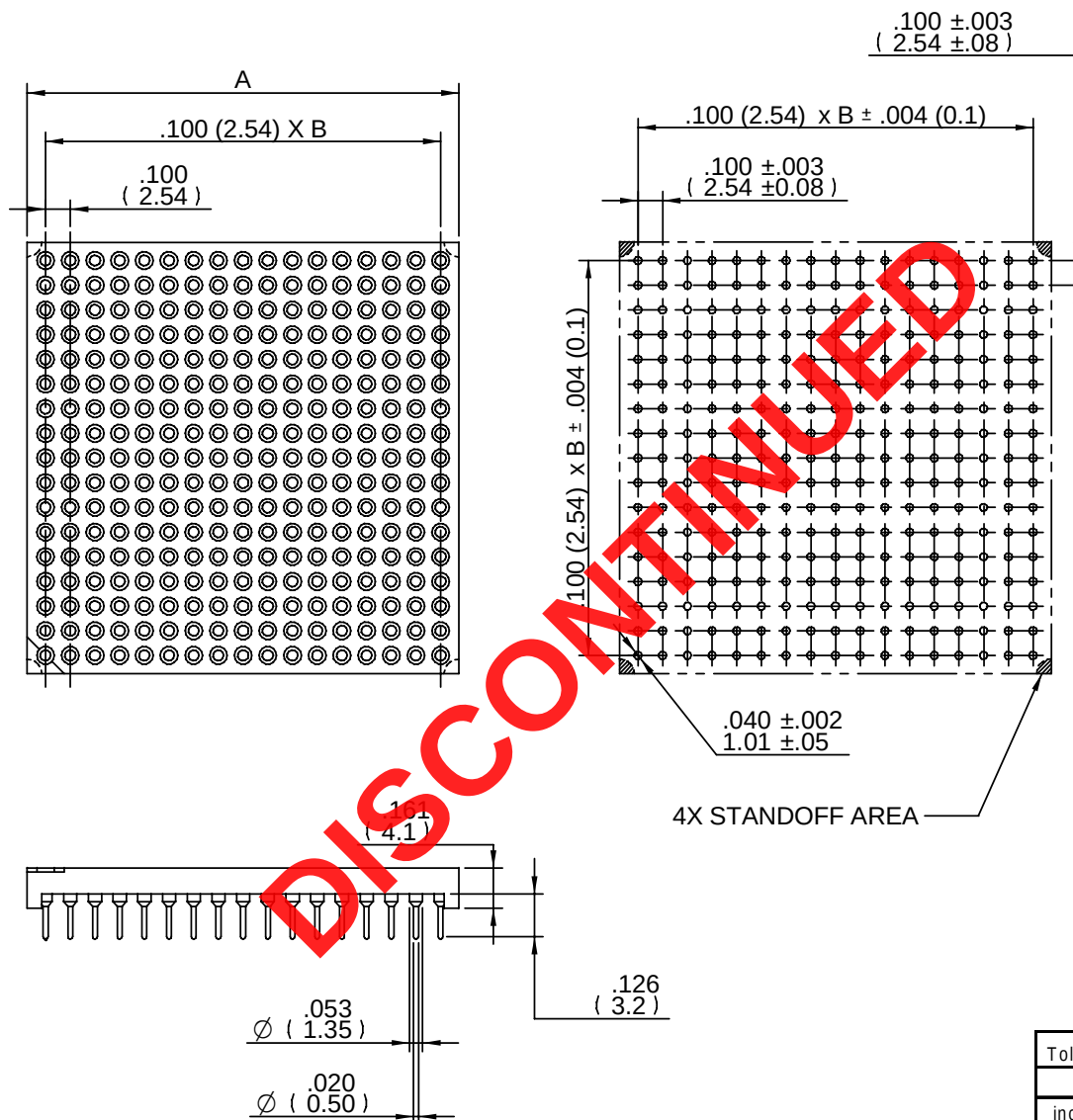
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

# 3M™ PGA Socket

Screw Machine

200 Series

| Matrix | Part Number | Dim A       | Dim B |
|--------|-------------|-------------|-------|
| 10x10  | 20X-XXX-0XX | 1.05 [26.7] | 9     |
| 11x11  | 21X-XXX-0XX | 1.15 [29.2] | 10    |
| 13x13  | 23X-XXX-0XX | 1.35 [34.3] | 12    |
| 14x14  | 24X-XXX-0XX | 1.45 [36.8] | 13    |
| 15x15  | 25X-XXX-0XX | 1.55 [39.4] | 14    |
| 17x17  | 27X-XXX-0XX | 1.75 [44.4] | 16    |



Note: Not for reflow soldering.

| Inch<br>[mm]           |     |      |       |
|------------------------|-----|------|-------|
| Tolerance Unless Noted |     |      |       |
|                        | .0  | .00  | .000  |
| inch                   | ±.1 | ±.01 | ±.005 |

[ ] Dimensions for Reference Only

## Ordering Information

| 2XX-XXX-0XX                                                                                       |                                              |                  |                                                                                                                   |
|---------------------------------------------------------------------------------------------------|----------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------|
| Matrix:<br>0 = 10 x 10<br>1 = 11 x 11<br>3 = 13 x 13<br>4 = 14 x 14<br>5 = 15 x 15<br>7 = 17 x 17 | Pin Pattern Variation<br>0-9: Assigned by 3M | Contact Quantity | Seal Tape:<br>0 = Without Seal Tape<br>1 = With Seal Tape<br><br>Tail plating:<br>5 = Gold flash (RoHS compliant) |

TS-2116-03  
Sheet 2 of 2



Interconnect Solutions

<http://www.3M.com/interconnects/>

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DISCONTINUED

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