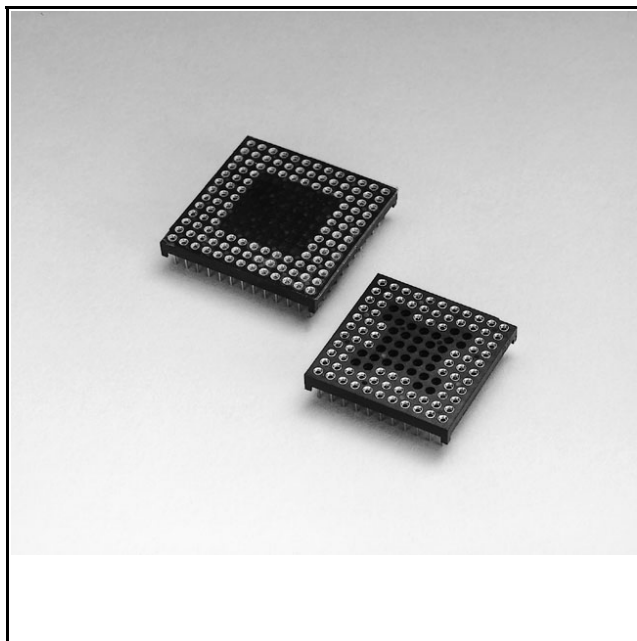


3M™ PGA Socket

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, 2006

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 μ " [2.54 μ m] min. Nickel
Wiping Area: 8 μ " [.02 μ 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 Ω
Current Rating: 1 A
Insulation Resistance: 1,000 M Ω at 500 V_{DC}
Withstanding Voltage: 1000 V_{AC} rms for 1 minute

Environmental

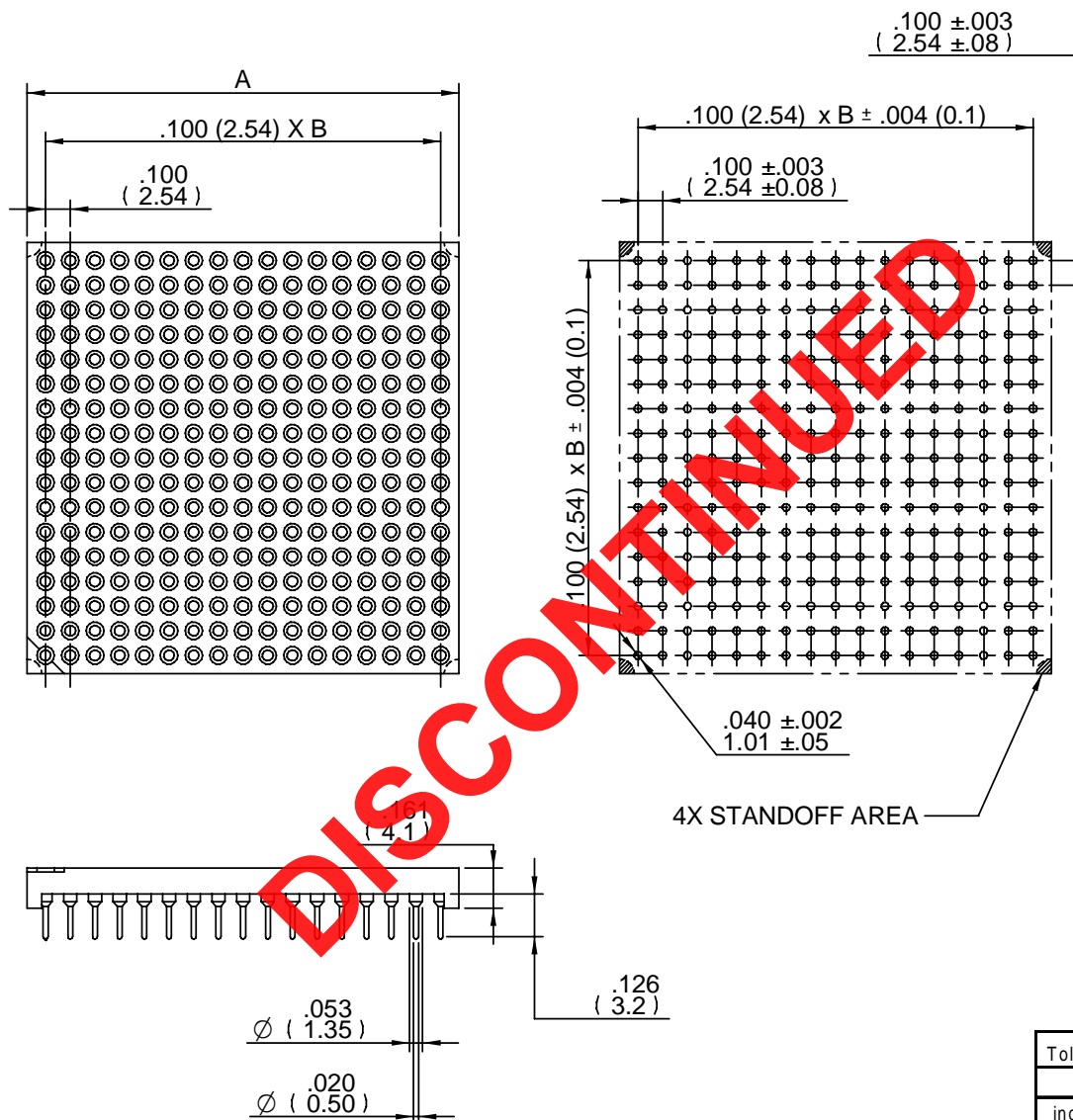
Temperature Rating: -65°C to +125°C
Process Rating: 260°C MAX for 5 seconds,
(Dipping: One time)
Not for reflow soldering.

"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.

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.

Ordering Information

2XX-XXX-0XX

Matrix:

$$0 = 10 \times 10$$
$$1 = 11 \times 11$$
$$3 = 13 \times 13$$
$$4 = 14 \times 14$$
$$\frac{5}{7} = \frac{15}{17} \times \frac{15}{17}$$

Pin Pattern Variation

0-9: Assigned by 3M

Contact Quantity

- Seal Tape:

0 = Without Seal Tape

1= With Seal Tape

- Tail plating:

5 = Gold flash (RoHS compliant)

TS-2116-03
Sheet 2 of 2

DISCONTINUED

Important Notice

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Minimum 10%
Post-Consumer Fiber

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