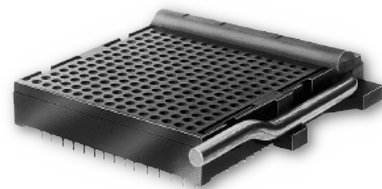




# PGA ZIF Test & Burn-in Socket for Any Footprint on Std 8x8 to 21x21 Grid

## FEATURES

- Strong Metal Cam Activates Normally-closed Contacts, Preventing Dependency on Plastic for Contact Force
- Handle mounted on Right- or Left-hand Side
- Any Footprint Accepted on Standard 13x13 to 21x21 Grid



## GENERAL SPECIFICATIONS

- **SOCKET BODY:** black UL 94V-0 Polyphenylene Sulfide (PPS)
- **CONTACTS:** BeCu 174, 1/2-hard –OR– Spinodal
- **BeCu CONTACT PLATING OPTIONS:** 30μ [0.762μ] min. Au per MIL-G-45204 on contact area, 200μ [5.08μ] min. matte Sn per ASTM B545-97 on solder tail, both over 30μ [0.762μ] min. Ni per QQ-N-290 all over
- **SPINODAL PLATING CONTACT ONLY:** 50μ [1.27μ] min. NiB
- **HANDLE:** Stainless Steel
- **CONTACT CURRENT RATING:** 1 amp
- **OPERATING TEMPERATURES:** -85°F to 257°F [-65°C to 125°C] Au plating, -85°F to 392°F [-65°C to 200°C] NiB (Spinodal)
- **ACCEPTS LEADS:** 0.014-0.026 [0.36-0.66] dia., 0.120-0.290 [3.05-7.37] long

## MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE:** 0.032 ±0.002 [0.81 ±0.05] dia.
- See **PCB FOOTPRINT** below
- Plugs into standard PGA sockets

## ORDERING INFORMATION

XXX-PXX XXXXX-1 X

Plating

2 = Au Contacts, Sn over Ni Tail  
6 = NiB Spinodal Pin Only – **Consult Factory for Minimum Order and Availability**

Solder Pin Tail

Grid Size & Footprint Number

Series Designator

PRS = Std

PLS = Handle on Left

Number of Pins

| Grid Size | No. of Pins | Dim. "C"      | Dim. "A"      | Dim. "B"      | Dim. "D"      |
|-----------|-------------|---------------|---------------|---------------|---------------|
| 8 x 8 *   | 64          | 0.700 [17.78] | 1.695 [43.05] | 1.110 [28.19] | 1.275 [32.39] |
| 9 x 9     | 81          | 0.800 [20.32] |               |               |               |
| 12 x 12 * | 144         | 1.100 [27.94] | 1.894 [48.10] | 1.510 [38.35] | 1.675 [42.55] |
| 13 x 13   | 169         | 1.200 [30.48] |               |               |               |
| 14 x 14 * | 196         | 1.300 [33.02] | 2.094 [53.20] | 1.710 [43.43] | 1.875 [47.63] |
| 15 x 15   | 225         | 1.400 [35.56] |               |               |               |
| 16 x 16 * | 256         | 1.500 [38.10] | 2.294 [58.27] | 1.910 [48.51] | 2.075 [52.71] |
| 17 x 17   | 289         | 1.600 [40.64] |               |               |               |
| 18 x 18 * | 324         | 1.700 [43.18] | 2.494 [63.35] | 2.110 [53.59] | 2.275 [57.79] |
| 19 x 19   | 361         | 1.800 [45.72] |               |               |               |
| 20 x 20 * | 400         | 1.900 [48.26] | 2.694 [68.43] | 2.310 [58.67] | 2.475 [62.87] |
| 21 x 21   | 441         | 2.000 [50.80] |               |               |               |

\* Top- and Right-hand Side Rows left out

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

SPECIAL HANDLE REQUIREMENTS: CONSULT FACTORY

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.

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10004  
Rev. 1.6  
1 of 2



1. Make a copy of this worksheet
2. Fill-in circles for footprint desired using the key below
3. Fill-in the information below, including Series and Plating options. See Ordering Information above
4. Send worksheet to Aries for prompt quote

COMPANY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

REQUESTED BY \_\_\_\_\_

PHONE \_\_\_\_\_

DATE \_\_\_\_\_

TOTAL NUMBER OF PINS \_\_\_\_\_

| SERIES <i>(circle one)</i>  | PRS | PLS |
|-----------------------------|-----|-----|
| PLATING <i>(circle one)</i> | 2   | 6   |

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