



# High-Temp (250°C) Universal ZIF DIP Burn-in & Test Socket – (300°C Special Order)

## FEATURES

- Accepts devices on 0.300 to 0.600 [7.62 to 15.24] centers
- All pin counts go into PCB with either 0.300 or 0.600 [7.62 or 15.24] centers
- Contacts normally-closed to eliminate dependence on plastic to sustain contact integrity
- Socket handle configured with closed contacts (on) when in the UP or DOWN position, and mounted on the RIGHT or LEFT side of socket



## GENERAL SPECIFICATIONS

- **SOCKET BODY:** natural UL 94V-0 glass-filled Polyetheretherketone (PEEK)
- **HANDLE:** Stainless Steel
- **CONTACTS:** BeNi 360, 1/2 hard
- **CONTACT PLATING:** 50µ [1.27µ] min. NiB : for 300°C [572°F] 100µ inches [2.54µm] min. Au, MIL-G-45204, Type 1 (no hardeners or additives) over 100µ inches [2.54µm] min. low-stress Ni
- **CONTACT CURRENT RATING:** 1 amp
- **OPERATING TEMPERATURES:** -85°F to 482°F [-65°C to 250°C] NiB version  
-85°F to 572°F [-65°C to 300°C] heavy Au version
- **RETENTION FORCE (closed):** 55g/pin based on a 0.020 [0.51] dia. test lead
- **INSULATION RESISTANCE:** 1000 MΩ min.
- **DIELECTRIC WITHSTANDING VOLTAGE:** 1000 VAC
- **LIFE CYCLE:** 25,000 to 50,000 cycles
- **ACCEPTS LEADS:** 0.015-0.045 [0.38-1.14] wide, 0.110-0.280 [2.79-7.11] long

## MOUNTING CONSIDERATIONS

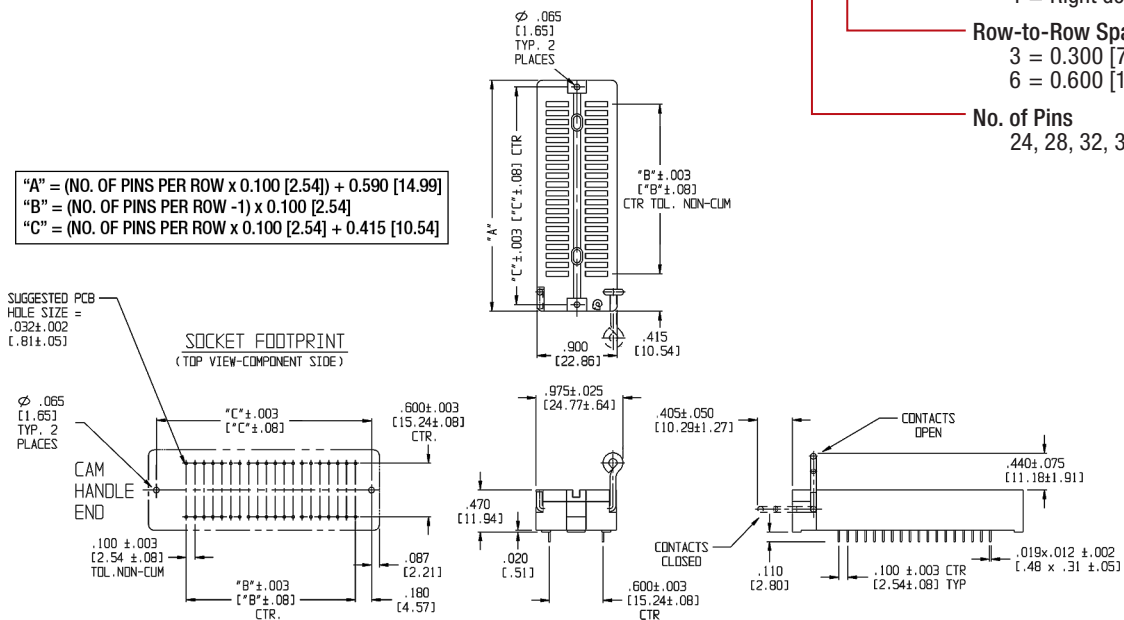
- See Socket Footprint below

## ORDERING INFORMATION

**XX-X55X-1 X**

- Plating
  - 8 = NiB
  - OHT = Au 300°C (special order, call factory)
- Termination
  - 1 = Solder Pin Tail
- Handle Options
  - 1 = Left up is closed
  - 2 = Right up is closed
  - 3 = Left down is closed
  - 4 = Right down is closed (std)
- Row-to-Row Spacing (btm)
  - 3 = 0.300 [7.62]
  - 6 = 0.600 [15.24]
- No. of Pins
  - 24, 28, 32, 36, 40, 42, 44, 48

$A = (\text{NO. OF PINS PER ROW} \times 0.100 [2.54]) + 0.590 [14.99]$   
 $B = (\text{NO. OF PINS PER ROW} - 1) \times 0.100 [2.54]$   
 $C = (\text{NO. OF PINS PER ROW} \times 0.100 [2.54]) + 0.415 [10.54]$



ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

DO NOT USE THIS SOCKET IN A BURN-IN OVEN WITH CONTACTS IN OPEN POSITION, AS IT WILL DAMAGE THE SOCKET

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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10002HT  
 Rev. 2.2  
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