



# Series 505 PLCC-to-PGA JEDEC Type 0.050 [1.27] Pitch Adapter

## FEATURES

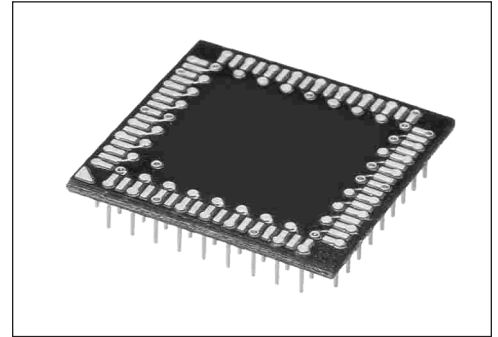
- Convert surface mount PLCC packages to a PGA footprint
- Pin polarization option also available
- Consult factory for Panelized Form or for mounting of consigned chips

## GENERAL SPECIFICATIONS

- ADAPTER BODY: FR-4, 0.062 [1.58] thick, with 1-oz. min. Cu traces
- PADS: hot-air solder leveled
- PINS: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- PIN PLATING: 200 $\mu$  [5.08 $\mu$ ] Sn/Pb 93/7 ASTM B579-73 over 100 $\mu$  [2.54 $\mu$ ] Ni per ASE AMS-QQ-N-290 or 10 $\mu$  [0.25 $\mu$ ] Au
- OPERATING TEMPERATURE: 221°F [105°C]

## MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE: 0.028  $\pm$  0.003 [0.71  $\pm$  0.08] dia
- STANDARD: will plug into PGA socket



**CUSTOMIZATION:** In addition to the standard products shown on this page, Aries specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on the quantity. **NOTE:** Aries reserves the right to change product general specifications without notice.

ALL DIMENSIONS: INCHES [MILLIMETERS]  
ALL TOLERANCES:  $\pm$ 0.005 [0.13] UNLESS OTHERWISE SPECIFIED  
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

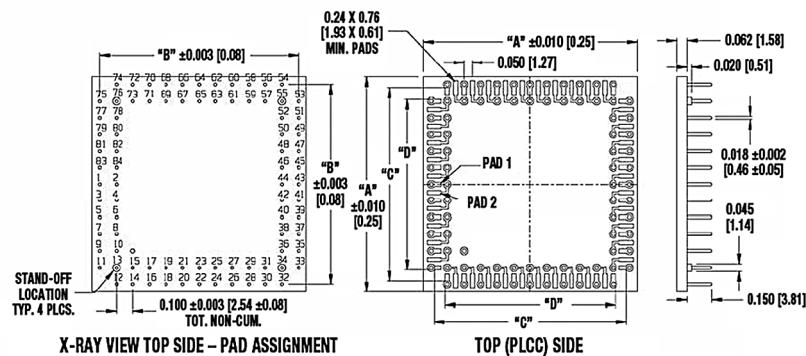
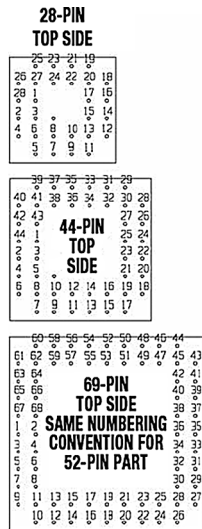
## ORDERING INFORMATION

**XX-505-11 X X**

No. of Pins \_\_\_\_\_  
 28, 44, 52, 68, 84  
 or 29, 45, 53, 69, 85  
 with Polarization Pin

Series \_\_\_\_\_  
 Stand-offs w/Solder Pin Tail

Optional Panelized Version  
 Pin Plating  
 0 = Sn (standard)  
 1 = Au



# Pins	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Matching PGA P/N
28 or 29	0.600 [15.24]	0.500 [12.70]	0.448 [11.38]	0.324 [8.23]	29-PGM06002-30
44 or 45	0.800 [20.32]	0.700 [17.78]	0.648 [16.46]	0.524 [13.31]	44-PGM08002-30
52 or 53	0.875 [22.23]	0.775 [19.69]	0.760 [19.30]	0.625 [15.88]	52-PGM09018-30
68 or 69	1.100 [27.94]	1.000 [25.40]	0.948 [24.08]	0.824 [20.93]	68-PGM11032-30
84 or 85	1.300 [33.02]	1.200 [30.48]	1.148 [29.16]	1.024 [26.01]	84-PGM13042-30



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