



Series 505 PLCC to PGA Adapter for JEDEC Type .050 [1.27] Pitch Devices

FEATURES:

- Convert surface mount PLCC packages to a PGA footprint.
- Optional open frame allows for more efficient utilization of board space and better cooling.
- Pin polarization option also available.
- Consult factory for panelized form or for mounting of con-signed chips.

SPECIFICATIONS:

- Adapter body is FR-4, .062 [1.58] thick, with 1 ounce mini-mum Copper traces.
- Pads are hot-air solder leveled.
- Pins are Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-00.
- Pin plating is 200 μ [5.08 μ m] min. Tin per ASTM B 545 Type 1 or Tin/Lead 93/7 ASTM B 545 over 100 μ [2.54 μ m] Nickel per ASE-AMS-QQ-N-290.
- Optional 10 μ [2.5 μ m] Gold plating also available.
- Operating temperature=221°F [105°C].

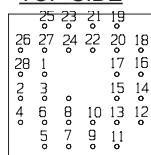
MOUNTING CONSIDERATIONS:

- Suggested PCB hole size=.028 \pm .003 [.71 \pm .08] dia.
- Will plug into standard PGA sockets.

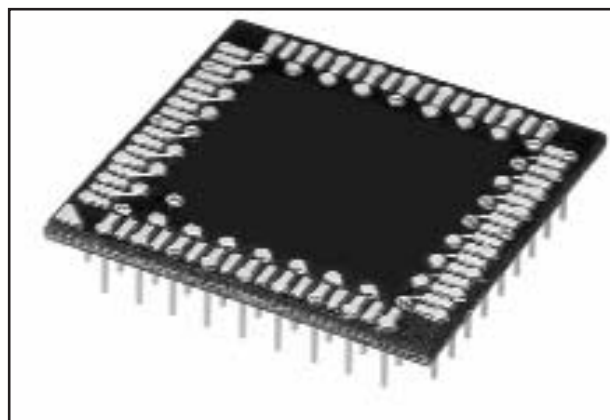
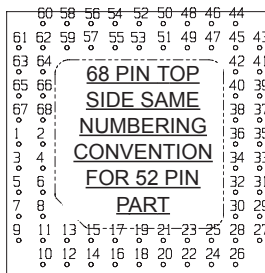
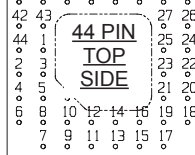
ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances \pm .005 [.13] unless otherwise specified

28 PIN TOP SIDE



44 PIN TOP SIDE



Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

ORDERING INFORMATION

XX-505-11XX

No. of pins:
28, 44, 52, 68, 84
(29, 45, 53, 69, 85
w/ polarization pin)

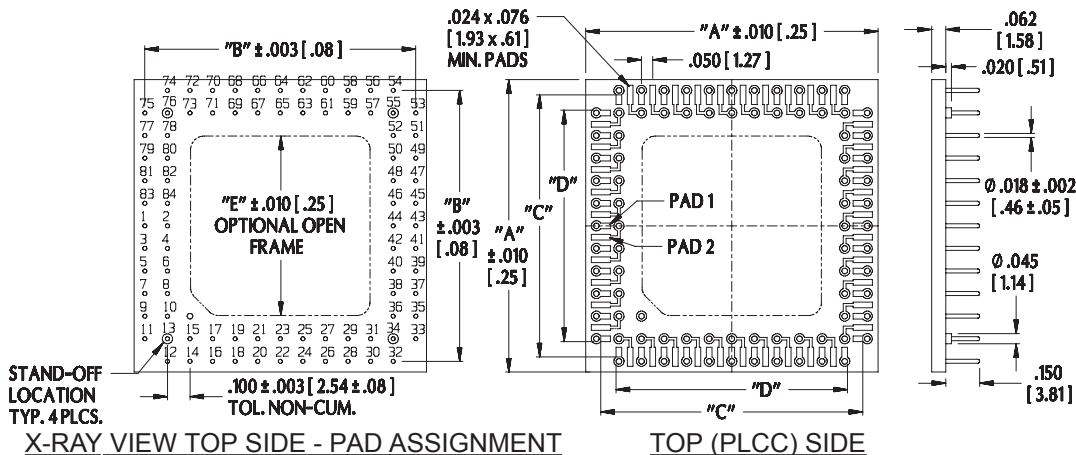
Series

With stand-offs
and Solder tail pin

Pin plating:
0=Tin (standard)
1=Gold

Optional suffix:
P=panelized form
F=open frame*
FP=panelized &
open frame*
**not available in
pin counts of less
than 68*

No of Pins	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"	Dim. "E"	Matching PGA Part No.
28 or 29	.600 [15.24]	.500 [12.70]	.448 [11.38]	.324 [8.23]	N/A	29-PGM06002-30
44 or 45	.800 [20.32]	.700 [17.78]	.648 [16.46]	.524 [13.31]	.400 [10.16]	44-PGM08002-30
52 or 53	.875 [22.22]	.775 [19.68]	.760 [19.30]	.625 [15.88]	N/A	52-PGA09018-30
68 or 69	1.100 [27.94]	1.000 [25.40]	.948 [24.08]	.824 [20.93]	.700 [17.78]	68-PGM11032-30
84 or 85	1.300 [33.02]	1.200 [30.48]	1.148 [29.16]	1.024 [26.01]	.800 [20.32]	84-PGM13042-30



ARIES
ELECTRONICS, INC.

<http://www.arieselec.com> • info@arieselec.com

Bristol, PA USA
TEL: (215) 781-9956
FAX: (215) 781-9845



18028
REV. M