



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

FEATURES:

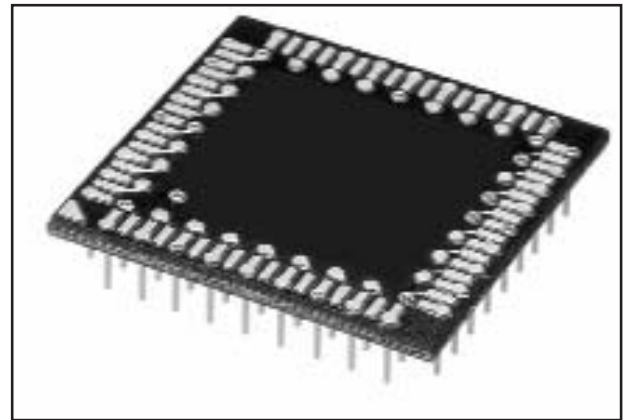
- Convert surface mount PLCC packages to a PGA footprint.
- Optional open frame allows for more efficient utilization of board space and better cooling.
- Pin polarization option also available.
- Consult factory for panelized form or for mounting of con-sig-ned chips.

SPECIFICATIONS:

- Adapter body is FR-4, .062 [1.58] thick, with 1 ounce minimum 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 200μ [5.08μm] min. Tin per ASTM B 545 Type 1 or Tin/Lead 93/7 ASTM B 545 over 100μ [2.54μm] Nickel per ASE-AMS-QQ-N-290.
- Optional 10μ [2.5μm] Gold plating also available.
- Operating temperature=221°F [105°C].

MOUNTING CONSIDERATIONS:

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



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

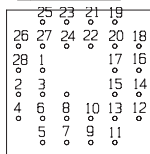
Pin plating:
0=Tin (standard)
1=Gold

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

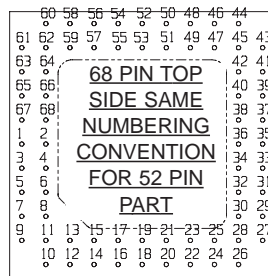
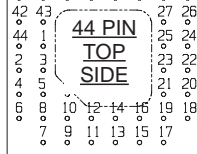
ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances ± .005 [.13]
unless otherwise specified

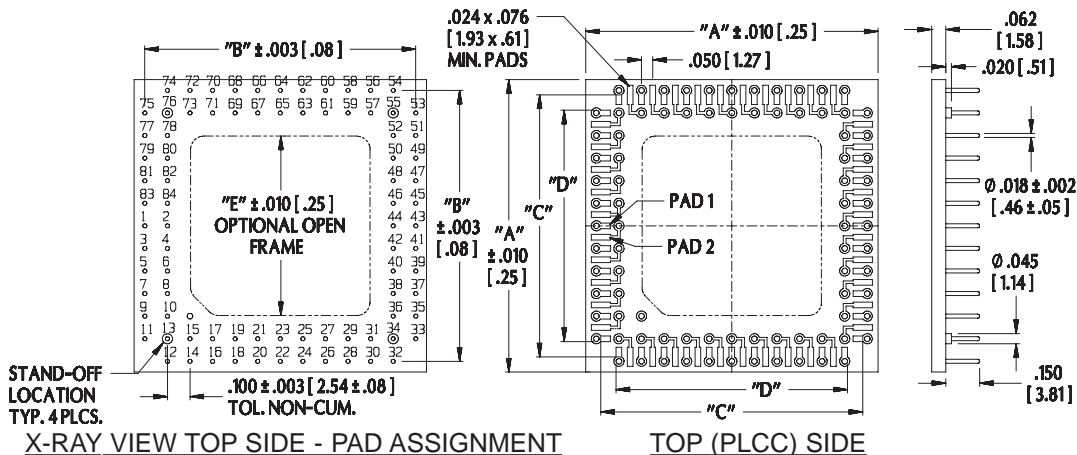
28 PIN
TOP SIDE



44 PIN
TOP SIDE



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



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