



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 minimum Copper traces.
- Pads are hot-air solder leveled.
- Pins are Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
- Pin plating is 200 μ [5.08 μ m] min. 93/7 Tin/Lead per MIL-P-81728 over 100 μ [2.54 μ m] min. Nickel per QQ-N-290. Optional 10 μ [.25 μ m] Gold plating also available.
- Operating temperature=221°F [105°C].

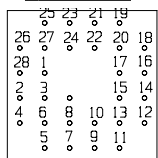
MOUNTING CONSIDERATIONS:

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

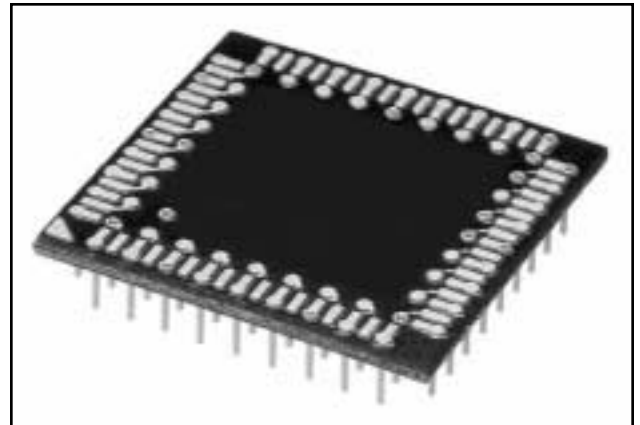
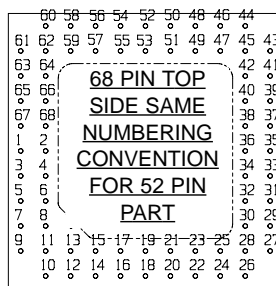
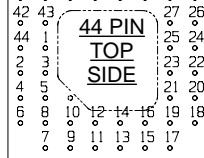
ALL DIMENSIONS: INCHES [MILLIMETERS]

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

28 PIN TOP SIDE



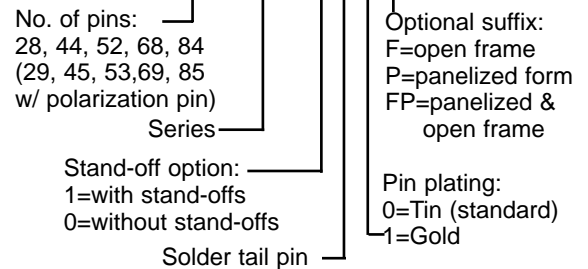
44 PIN TOP SIDE



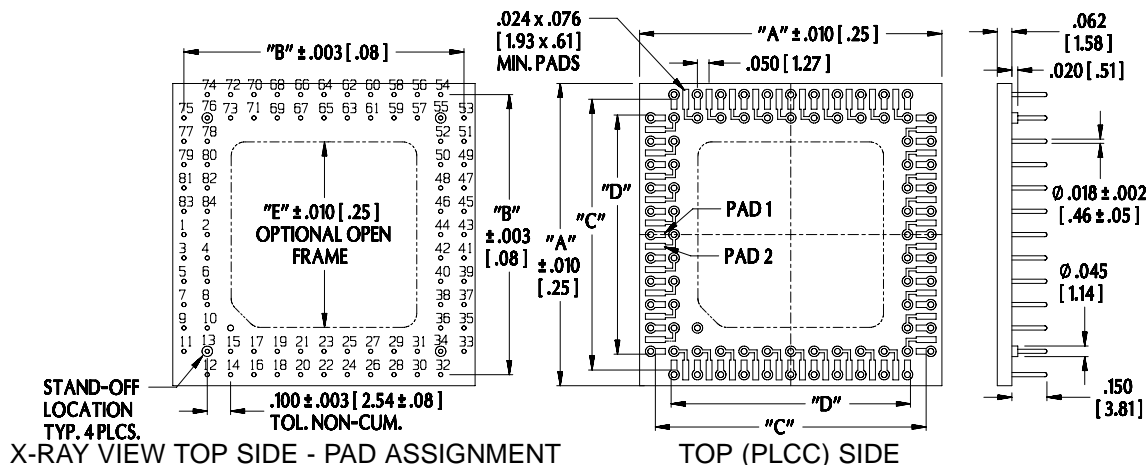
Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

ORDERING INFORMATION

XX-505-X1XX



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	28-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]	.800 [20.32]	.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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