



Part No. 1110087

144 Pin VQFP to PGA Adapter

FEATURES:

- Convert surface mount VQFP packages to a 13 x 13 PGA footprint.
- Reduce costs by using less expensive QFP packages to replace PGA footprints in existing designs.
- Pins are mechanically fastened and soldered to board using Aries' patented process, creating a reliable electrical connection and rugged contact.
- Consult factory for panelized form or for mounting of consigned chips.

SPECIFICATIONS:

- Adapter body is FR-4 with 1 ounce minimum Copper traces.
- Pads are bare Copper protected with Entek® by Enthone or immersion white tin to eliminate coplanarity concerns and solder bridges associated with hot air solder leveling.
- Pins are Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
- Pin plating is 200µ [5.08µm] min. Tin Per MIL-T-10727 Type 1 or Tin/Lead 90/10 MIL-P-81728 over 100µ [2.54µm] Nickel per QQ-N-290.
- Operating temperature=221°F [105°C].

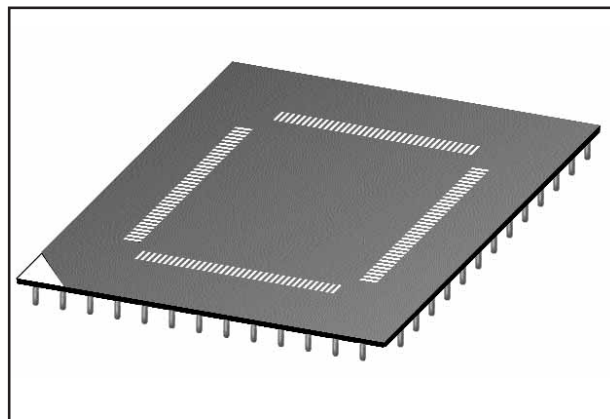
MOUNTING CONSIDERATIONS:

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

ALL DIMENSIONS: INCHES [MILLIMETERS]

Tolerances:

- Row-to-row: ± .003 [± .08]
- Pin-to-pin: ± .003 [± .08] non-cumulative
- All others: ± .005 [.13] unless otherwise specified



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.

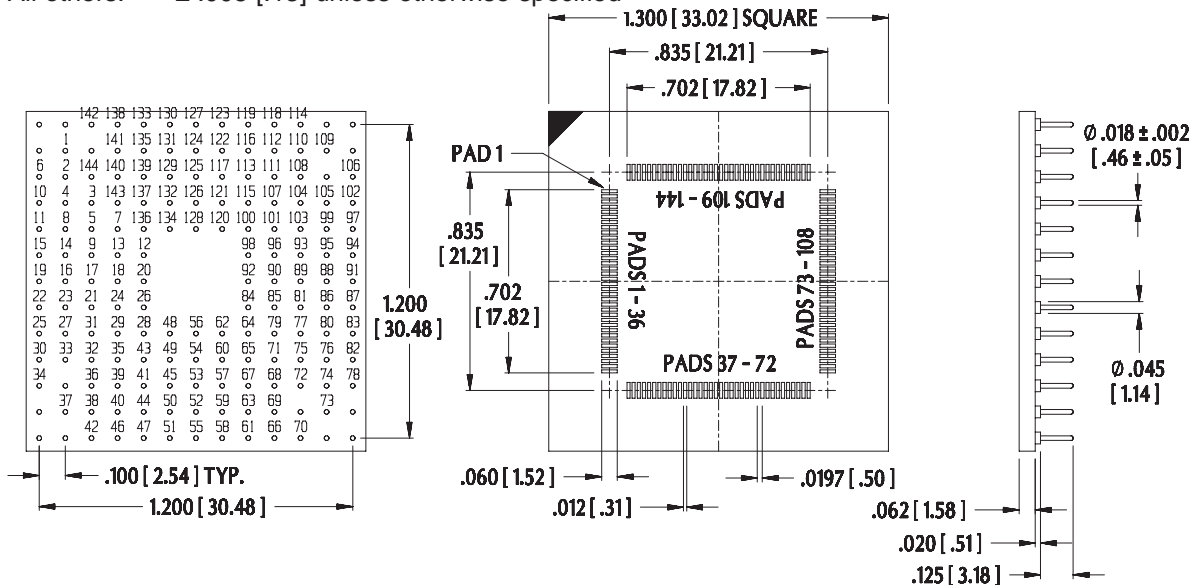
ORDERING INFORMATION

Specify Part No. 1110087

-OR-

1110087-P for panelized form when ordering

Specify Part Number 144-PGM13095-30 for wire wrap PGA socket



X-RAY VIEW TOP SIDE
QFP PAD ASSIGNMENT

TOP (QFP) SIDE

 **ARIES**[®]
ELECTRONICS, INC.
<http://www.arieselec.com> • info@arieselec.com

NORTH AMERICA
Frenchtown, NJ USA
TEL: (908) 996-6841
FAX: (908) 996-3891



EUROPE
TEL: +44 870 240 0249
FAX: +44 871 919 6033
europa@arieselec.com

18040
REV.E