



## DESCRIPTION

The Accutek family of PGA Adapter Modules are designed to permit the soldering of surface mount PLCC, QFP, TQFP, PQFP devices into a standard PGA through-hole PC board. These PGA Adapter Modules are a pin compatible drop in replacement for end-of-life PGA devices. Standard pin counts include 28, 32, 44, 52, 68, 84 and 100 pins. Can accommodate square and rectangular PLCCs with 0.050" lead pitch and sizes from 0.600" to 1.500". They also accommodate Quad Flat Packs with 0,5mm and 0,65mm lead pitch. They feature 0.018" diameter machined pins with integral standoffs. Plating options are tin, solder or gold pins.

Accutek PGA Adapters were developed for users with motherboard designs that require PGA's, now obsoleted by manufacturers. These adapter modules are designed for soldering directly into a through-hole PC board and save costly motherboard redesigns.

Accutek PGA Adapter Modules are fully assembled and tested. They can be manufactured turnkey or from customer supplied surface mount chips.

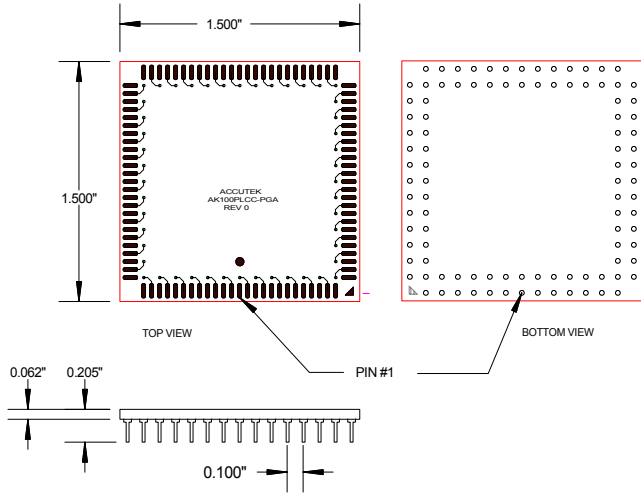
Custom multi-chip and double sided configurations are also available for special functions.

## Features

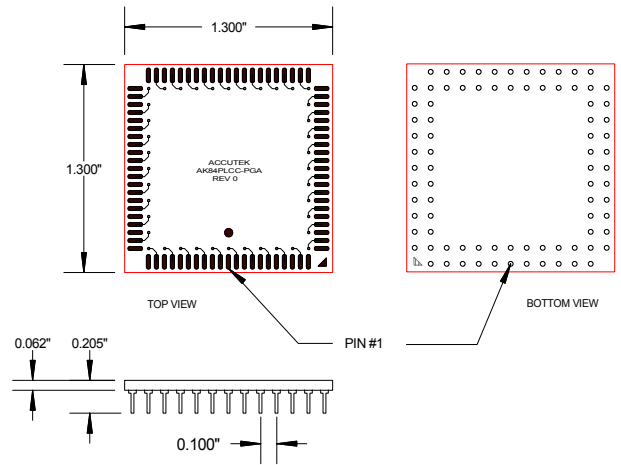
- Saves costly redesign of current motherboards
- Fully tested with life time limited warranty
- Standard pin counts include 28, 32, 44, 52, 68, 84 and 100
- Tin, solder or gold plated pins available
- 0.018" diameter machined PGA pins with integral standoffs, custom sizes available
- IC assembly and testing available
- EPROM and Flash programming available
- Custom multi-chip and double-sided modules available

Accutek reserves the right to make changes in specifications at any time and without notice. Accutek does not assume any responsibility for the use of any circuitry described; no circuit patent licenses are implied. Preliminary data sheets contain minimum and maximum limits based upon design objectives, which are subject to change upon full characterization over the specific operating conditions.

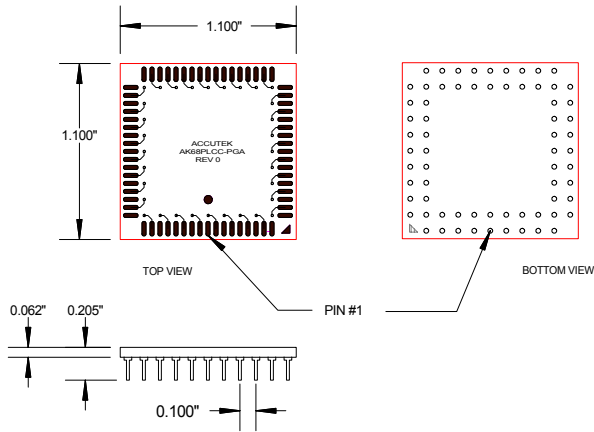
**AK100PLCC-PGA**  
100 PIN PLCC TO PIN GRID ARRAY



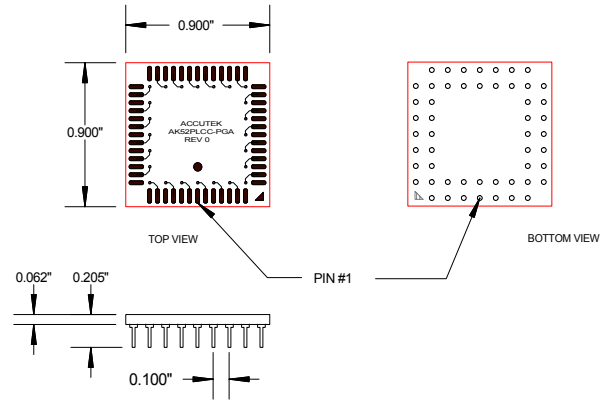
**AK84PLCC-PGA**  
84 PIN PLCC TO PIN GRID ARRAY



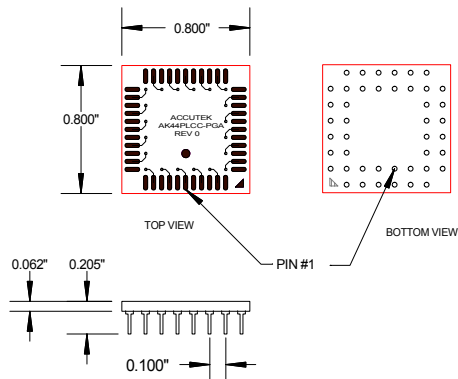
**AK68PLCC-PGA**  
68 PIN PLCC TO PIN GRID ARRAY



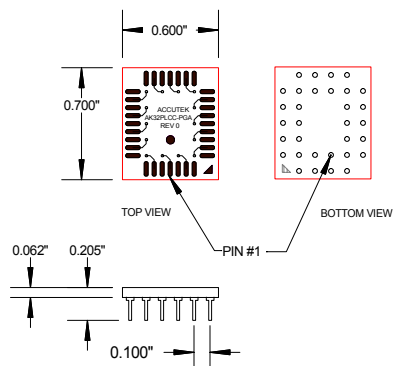
**AK52PLCC-PGA**  
52 PIN PLCC TO PIN GRID ARRAY



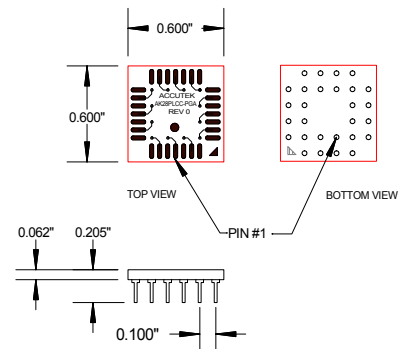
**AK44PLCC-PGA**  
44 PIN PLCC TO PIN GRID ARRAY



**AK32PLCC-PGA**  
32 PIN PLCC TO PIN GRID ARRAY

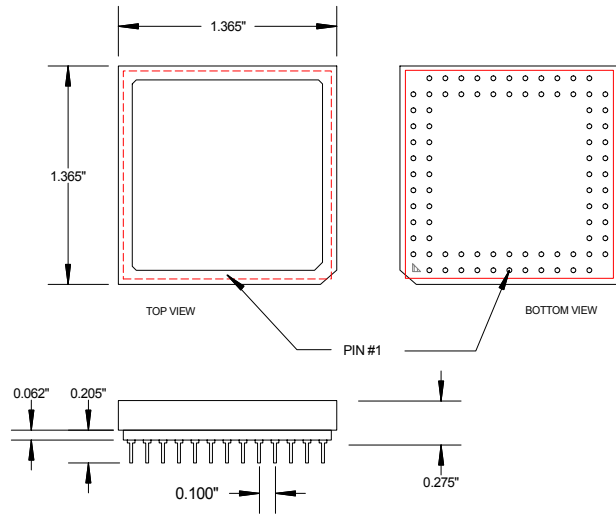


**AK28PLCC-PGA**  
28 PIN PLCC TO PIN GRID ARRAY

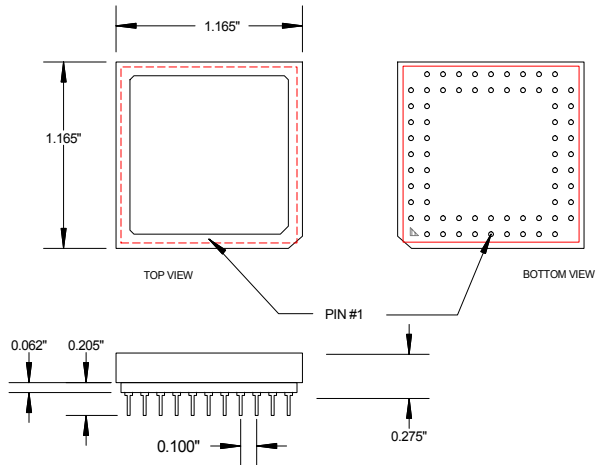


# A PLCC SOCKET CAN BE ADDED TO MOST OF OUR PLCC TO PGA ADAPTERS

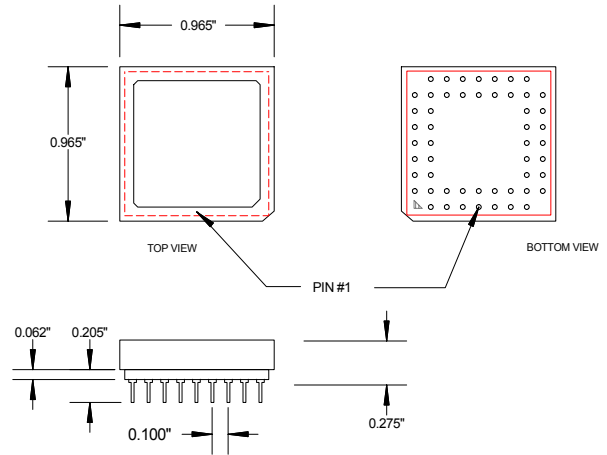
## AK84PCS-PGA (with PLCC Socket included) 84 PIN PLCC SOCKET TO PIN GRID ARRAY



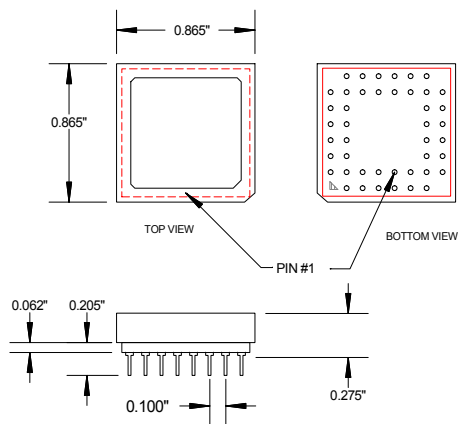
## AK68PCS-PGA (with PLCC Socket included) 68 PIN PLCC SOCKET TO PIN GRID ARRAY



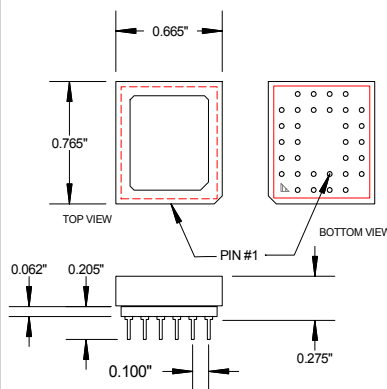
## AK52PCS-PGA (with PLCC Socket included) 52 PIN PLCC SOCKET TO PIN GRID ARRAY



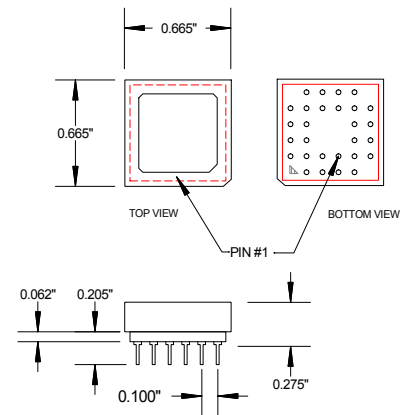
## AK44PCS-PGA (with PLCC Socket included) 44 PIN PLCC SOCKET TO PIN GRID ARRAY



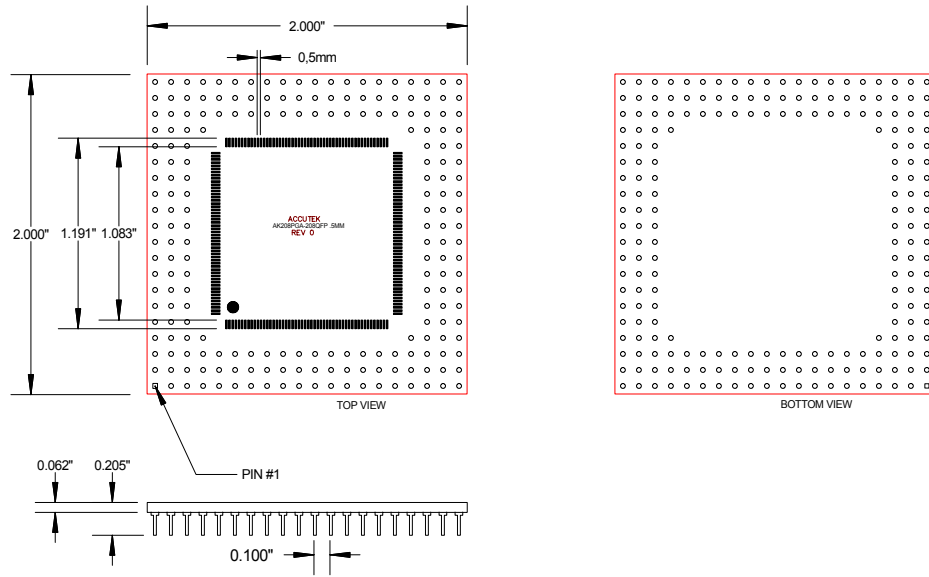
## AK32PCS-PGA (with PLCC Socket included) 32 PIN PLCC SOCKET TO PIN GRID ARRAY



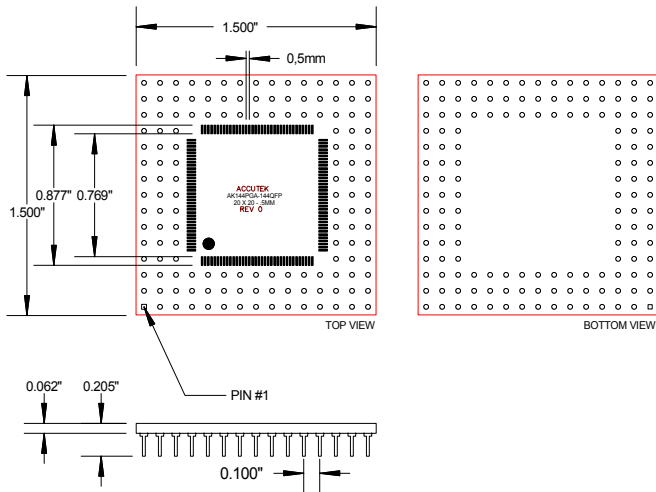
## AK28PCS-PGA (with PLCC Socket included) 28 PIN PLCC SOCKET TO PIN GRID ARRAY



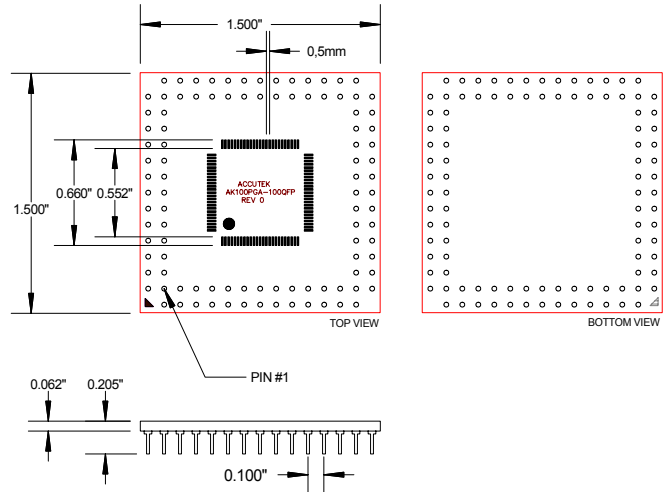
**AK208PGA-208QFP.5MM**  
208 PIN .5MM QFP TO PIN GRID ARRAY



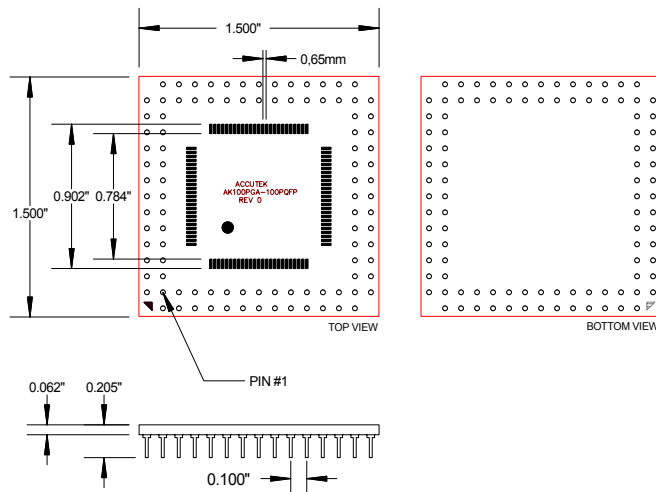
**AK144PGA-144QFP.5MM**  
144 PIN .5MM QFP TO PIN GRID ARRAY



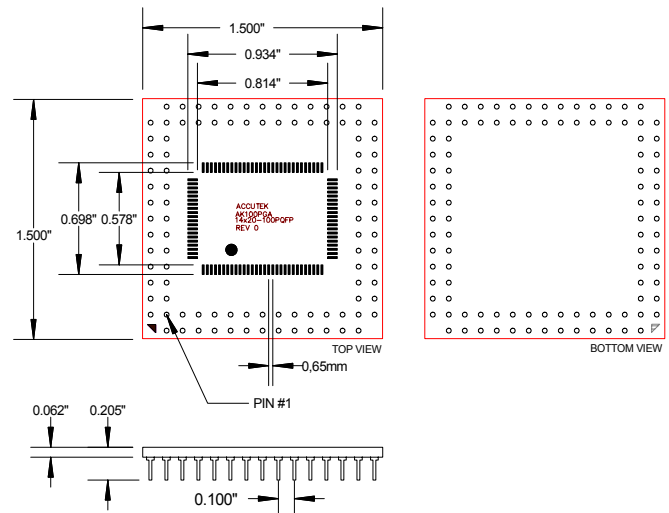
**AK100PGA-100QFP**  
100 PIN .5MM QFP TO PIN GRID ARRAY



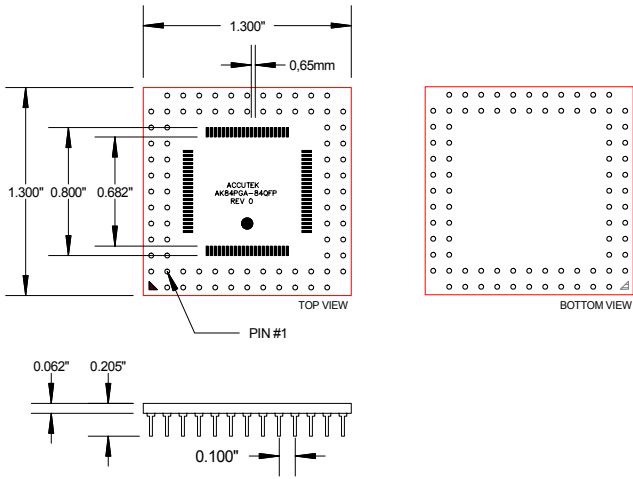
**AK100PGA-100PQFP**  
100 PIN .65MM PQFP TO PIN GRID ARRAY



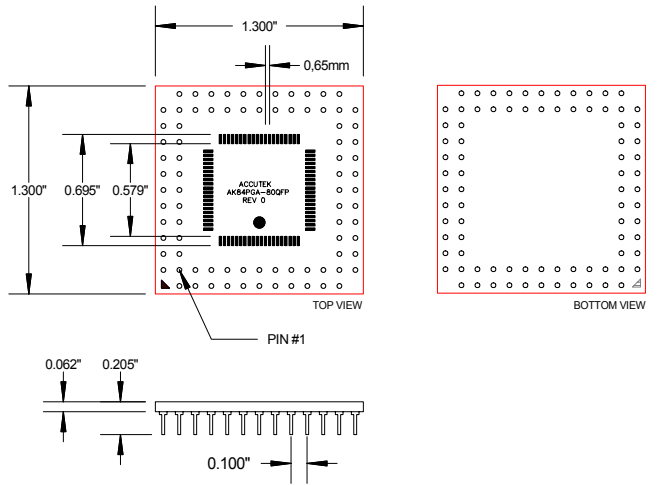
**AK100PGA-14x20-100PQFP**  
100 PIN .65MM 14x20 PQFP TO PIN GRID ARRAY



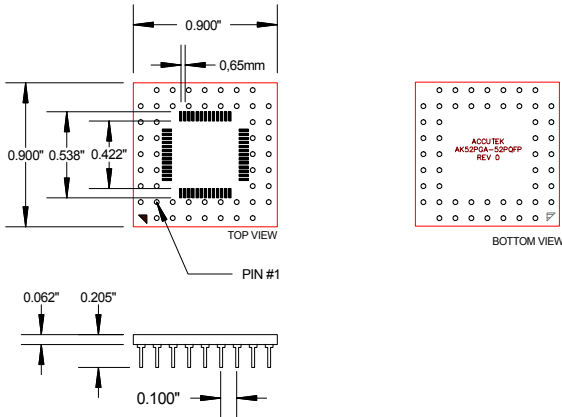
**AK84PGA-84QFP**  
84 PIN QFP TO 84 PIN GRID ARRAY



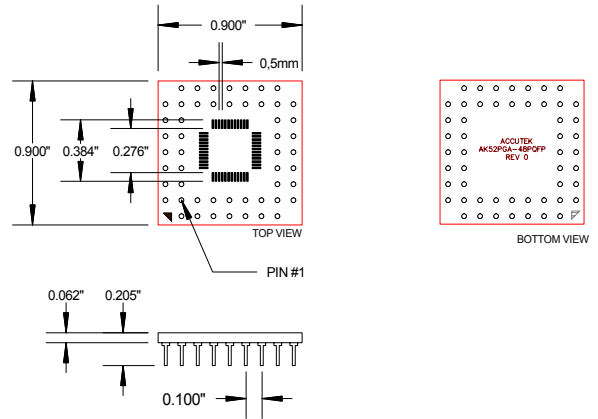
**AK84PGA-80QFP**  
80 PIN QFP TO 84 PIN GRID ARRAY



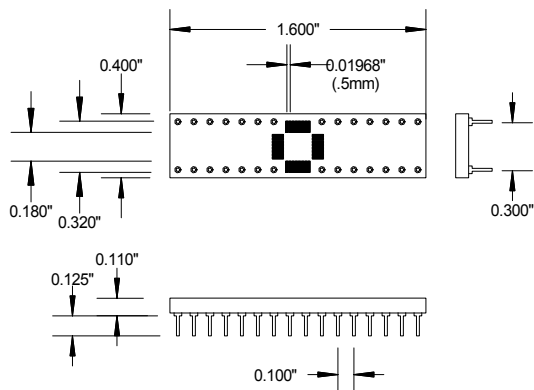
**AK52PGA-52PQFP**  
52 PIN PQFP TO PIN GRID ARRAY



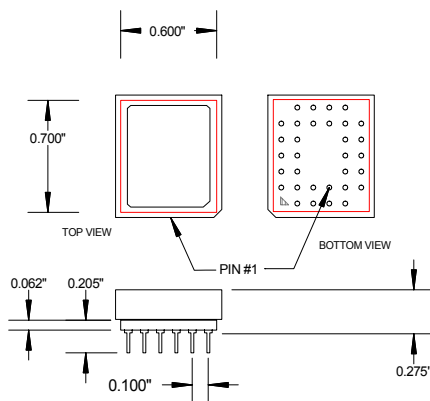
**AK52PGA-48PQFP**  
48 PIN PQFP TO 52 PIN GRID ARRAY



**AK32D-QFP5X5**  
32 PIN QFP 5 x 5mm TO DIP

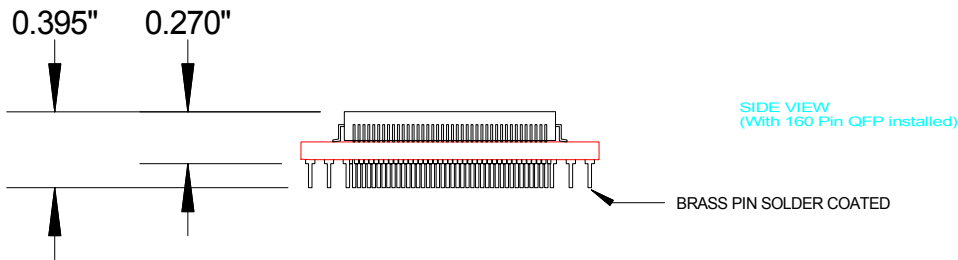
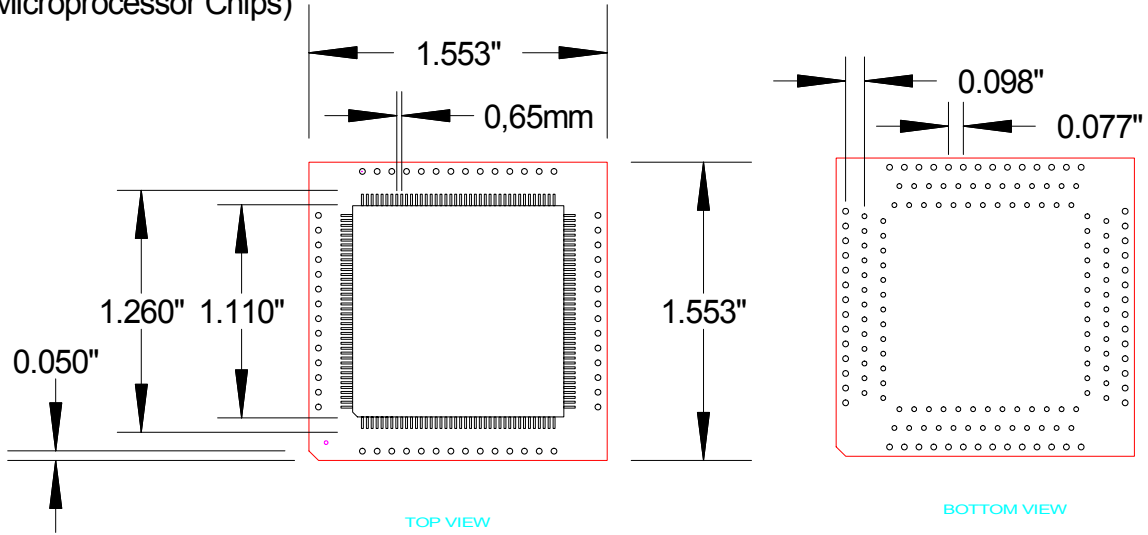


**AK32PCS-PGA**  
(with PLCC Socket included)  
32 PIN PLCC SOCKET TO PIN GRID ARRAY



## SPECIAL APPLICATION ADAPTERS

**160 PIN PGA BOARD**  
 (for attachment of 160 Pin PQFP  
 Microprocessor Chips)



**AK48TSOP-DIP**  
**48 PIN DIP ADAPTER**  
**FOR FLASH CHIPS**

