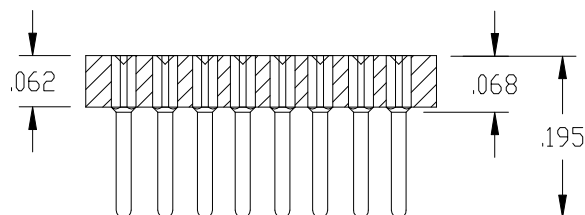
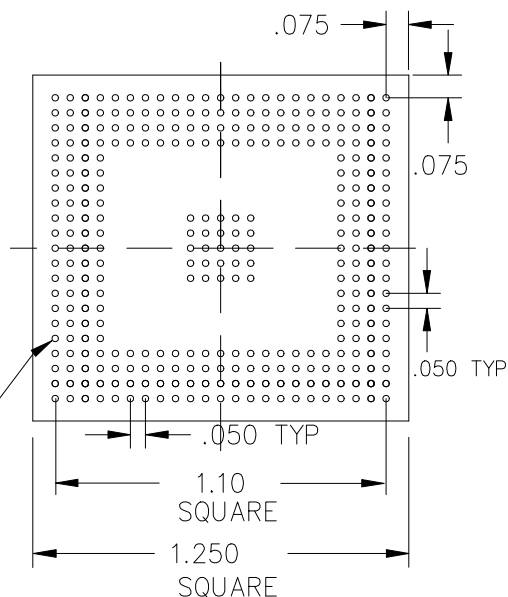


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WRITTEN PERMISSION OF ACTEL.

| ECN NO. | REV. | DESCRIPTION OF CHANGE | EFFECTIVE DATE | ORIGINATOR |
|---------|------|-----------------------|----------------|------------|
|         | 0    | initial               | 9/8/98         | Ray Kuang  |



USE .75mm DRILL  
(329 X)



Adapter<Vendor> part#: S587-10-329-12-005437

EPOXY #<vendor>: S500-21-329-12-005075

NOTES: Dim: inch

1. PIN MATERIAL: BRASS ALLOY 360, 1/2 HARD.
2. PIN FINISH: 10 $\mu$ " GOLD OVER 100 $\mu$ " NICKEL.
3. INSULATOR MATERIAL: FR-4 GLASS EPOXY

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|                                                             |  |            |  |                                |  |                                               |  |                                                                                       |  |
|-------------------------------------------------------------|--|------------|--|--------------------------------|--|-----------------------------------------------|--|---------------------------------------------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN MILLIMETERS |  | PROJECTION |  | ACTEL CORP<br>955 E ARQUES AVE |  | SUNNYVALE CA 94086                            |  |  |  |
| DECIMAL                                                     |  | ANGULAR    |  | APPROVALS                      |  | DATE                                          |  | TITLE                                                                                 |  |
| X.X ±0.10                                                   |  | ±1°        |  | DRAWN                          |  | Ray Kuang                                     |  | 8/27/98                                                                               |  |
| X.XX ±0.05                                                  |  |            |  | CHECKED                        |  |                                               |  | TITLE                                                                                 |  |
| X.XXX ±0.03                                                 |  |            |  | ENG'R                          |  |                                               |  | 329-31x31mm, 1.27mm BGA ADAPTER                                                       |  |
| MATERIAL                                                    |  |            |  | RELEASED                       |  |                                               |  | VENDOR NAME: Mill-Max                                                                 |  |
| SEE NOTES                                                   |  |            |  |                                |  |                                               |  | ACTEL DWG. NUMBER 1-07-09029                                                          |  |
| FINISH                                                      |  |            |  |                                |  | SIZE B                                        |  | VENDOR DWG. NUMBER                                                                    |  |
| SEE NOTES                                                   |  |            |  |                                |  | VENDOR SID(PART) NUMBER S587-10-329-12-005437 |  | REV C                                                                                 |  |
| DO NOT SCALE DRAWING                                        |  |            |  |                                |  | Actel Part#: SM-BGA329-A                      |  | SCALE: NONE                                                                           |  |
|                                                             |  |            |  |                                |  |                                               |  | SHEET 1 OF 2                                                                          |  |