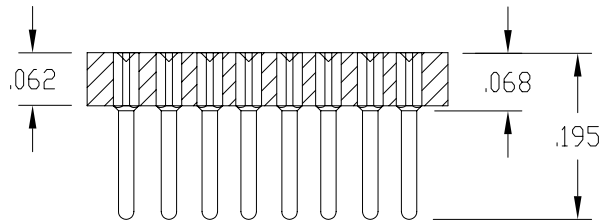
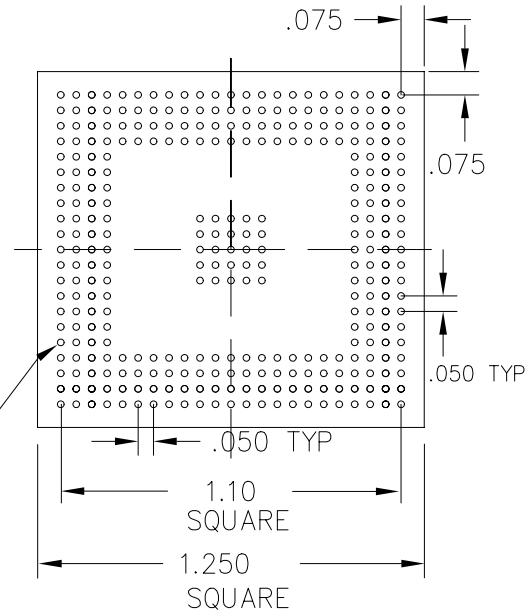


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 BE MAINTAINED IN STRICT CONFIDENCE, AND SHALL NOT BE RELEASED TO ANY THIRD PARTY WITHOUT THE EXPRESS  
 WRITTEN PERMISSION OF ACTEL.

ECN NO.	REV.	DESCRIPTION OF CHANGE	EFFECTIVE DATE	ORIGINATOR
980379	0	initial	12/15/98	Ray Kuang
990187	1	correct Actel part#	5/25/99	Ray Kuang
2005028	2	Remove word "Actel Confidential" from drawing	01/15/2005	Lajie Zhao



USE .75mm DRILL  
(329 X)



Adapter(Vendor) part#: S587-10-329-12-005437

EPOXY #(Vendor): S500-21-329-12-005075

NOTES: Dim: inch

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS DECIMAL X.X $\pm$ 0.10 X.XX $\pm$ 0.05 X.XXX $\pm$ 0.03	PROJECTION			<b>Actel</b> ACTEL CORPORATION 2061 Stierlin Court Mountain View, CA 94043-4655	
	ANGULAR $\pm$ 1°	APPROVALS	DATE	TITLE	
MATERIAL	DRAWN Ray Kuang	8/27/98	329-31x31mm, 1.27mm BGA ADAPTER		
FINISH	CHECKED		VENDOR NAME: Mill-Max	ACTEL DWG. NUMBER: 1-07-09029	REV 2
SEE NOTES	ENG'R		VENDOR SID(PART) NUMBER: S587-10-329-12-005437	VENDOR DWG. NUMBER	REV
DO NOT SCALE DRAWING	RELEASED		Actel Part#: SM-BG329-A	SCALE: NONE	SHEET 1 OF 2

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ECN NO.	REV.	DESCRIPTION OF CHANGE	EFFECTIVE DATE	ORIGINATOR
980379	0	initial	12/15/98	Ray Kuang
990167	1	correct Actel part#	5/25/99	Ray Kuang
2005028	2	Remove word "Actel Confidential" from drawing	01/15/2005	Lijie Zhao

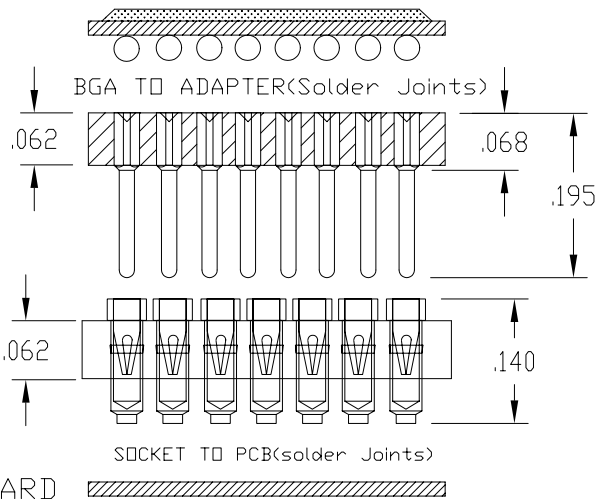
ASSEMBLY FLOW

BGA PACKAGE

BGA ADAPTER  
 (see Sm-BG329-A)

BGA ADAPTER  
 SOCKET  
 (see Sm-BG329-B)

PCB BOARD



Note:

- To remove adapter from adapter socket, use a tweezer or a tool from Mill-Max
- Mill-Max phone: 516-922-6000

Please see detail drawing for part number on Adapter and Adapter Socket

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS DECIMAL X.X ±0.10 X.XX ±0.05 X.XXX ±0.03	PROJECTION			ACTEL CORPORATION 2061 Stierlin Court Mountain View, CA 94043-4655	
	MATERIAL SEE NOTES	APPROVALS DRAWN Ray Kuang	DATE 8/27/98	TITLE 329 BGA Socket Assembly	
PINISH SEE NOTES	CHECKED	ENG'R	RELEASED	VENDOR NAME: Mil-Max	ACTEL DWG. NUMBER 1-07-09029
DO NOT SCALE DRAWING				VENDOR SID(PART) NUMBER	VENDOR DWG. NUMBER
				Actel Part#:	SCALE: NONE SHEET 2 OF 2