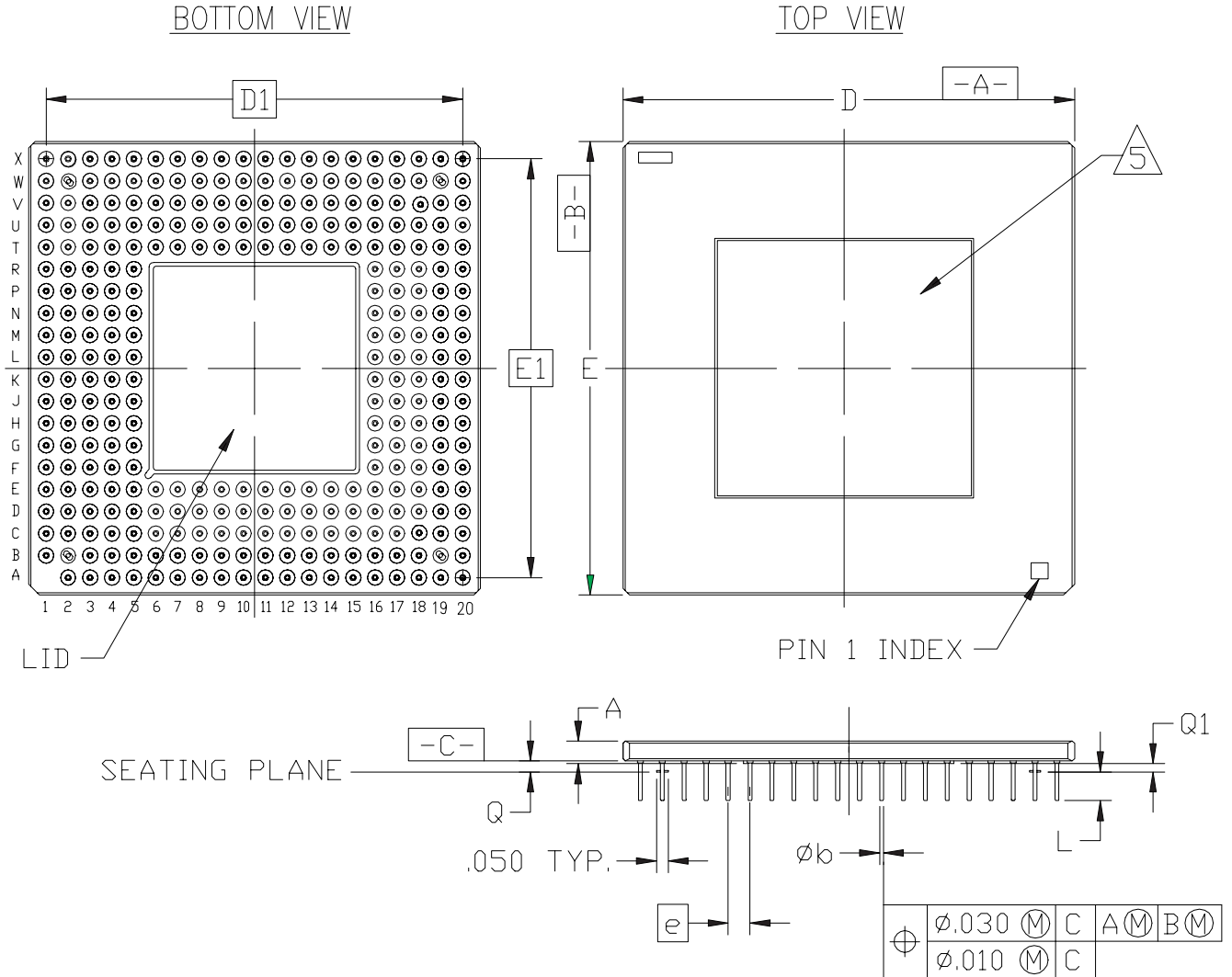


Ceramic PGA Packages - PG223, PG299



PG223				PG299			
SYMBOL	INCHES			INCHES			
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	
A	<i>h</i>	.115	.145	<i>h</i>	<i>h</i>	.145	
D/E	1.840	1.860	1.880	2.040	2.060	2.080	
D1/E1	1.700 BSC			1.900 BSC			
L	.120	.130	.140	.120	.130	.140	
Q	.045	<i>h</i>	.060	.045	<i>h</i>	.060	
Q1	.025	<i>h</i>	<i>h</i>	.025	<i>h</i>	<i>h</i>	
e	.100 BSC			.100 BSC			
∅b	.016	.018	.020	.016	.018	.020	
M	18			20			
REF.	JEDEC MO-067-AK			JEDEC MO-067-AM			

NOTES:

- ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1982
- SYMBOL 'M' IS THE PIN MATRIX SIZE.
- FOR PG223, ONLY 4 ROWS OF PINS ON EACH SIDE.
- LEAD FINISH: GOLD PLATED
 - COMMERCIAL (35 MICROINCHES MIN.)
 - MILITARY (50 MICROINCHES MIN.)
- OPTION - HEAT SINK MAY BE ADDED FOR HIGH POWER DEVICES BUT DIMENSION 'A' REMAINS .145" MAX.
- PG299 20X20 MATRIX SHOWN FOR ILLUSTRATION ONLY.
- CONTACT XILINX FOR CLARIFICATION.

223, 299-PIN CERAMIC PGA (PG223, PG299)