

04R-00419-1.1

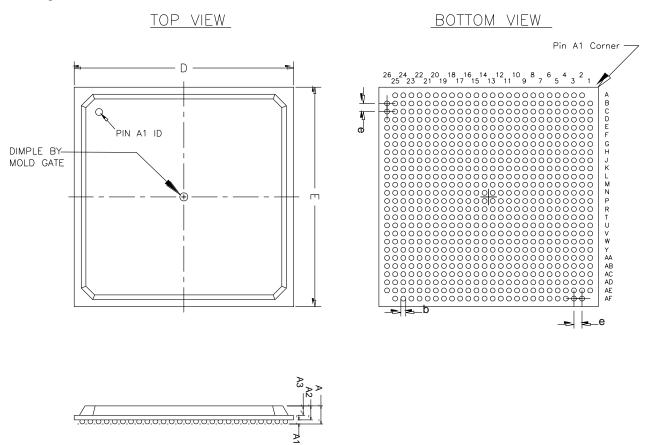
672-Pin FineLine Ball-Grid Array (FBGA) - Wire Bond - A:2.40

- All dimensions and tolerances conform to ASME Y14.5M 1994.
- Controlling dimension is in millimeters.
- Pin A1 may be indicated by an ID dot, or a special feature, in its proximity on package surface.

Package Information		
Description	Specification	
Ordering Code Reference	F	
Package Acronym	FBGA	
Substrate Material	BT	
Solder ball composition	Regular: 63Sn:37Pb (Typ.) Pb-free: Sn:3Ag:0.5Cu (Typ.)	
JEDEC Outline Reference	MS-034 Variation: AAL-1	
Lead Coplanarity	0.008 inch (0.20 mm)	
Weight	3.0 g (Typ.)	
Moisture Sensitivity Level	Printed on moisture barrier bag	

Package Outline D	Package Outline Dimension Table				
Querra la cal	Millimeters				
Symbol	Min.	Nom.	Max.		
А	2.10	2.25	2.40		
A1	0.40	0.50	0.60		
A2	1.50	1.75	2.00		
A3	1.12	1.17	1.22		
D	27.00 BSC				
E	27.00 BSC				
b	0.50	0.60	0.70		
е		1.00 BSC			

Package Outline



Document Revision History

Table 1 shows the revision history for this document.

Table 1. Document Revision History

Date	Version	Changes
June 2011	1.0	Initial release
September 2011	1.1	Added "Dimple by Mold Gate" indicator in the diagram



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