

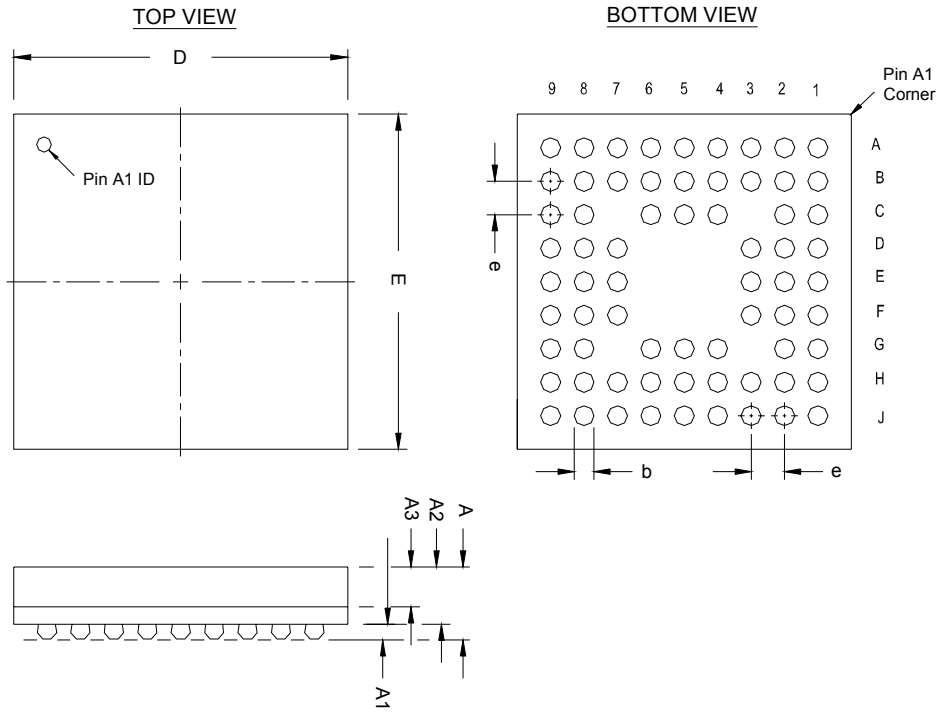
68-Pin Micro FineLine Ball-Grid Array (MBGA) - Wire Bond

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

<i>Package Information</i>	
Description	Specification
Ordering Code Reference	M
Package Acronym	MBGA
Substrate Material	BT
Solder Ball Composition	Pb-free: Sn:3Ag:0.5Cu (Typ.)
JEDEC Outline Reference	MO-195 Variation: AB
Maximum Lead Coplanarity	0.003 inch (0.08 mm)
Weight	0.1 g
Moisture Sensitivity Level	Printed on moisture barrier bag

<i>Package Outline Dimension Table</i>			
Symbol	Millimeters		
	Min.	Nom.	Max.
A	—	—	1.20
A1	0.15	—	—
A2	—	—	1.00
A3	0.60 REF		
D	5.00 BSC		
E	5.00 BSC		
b	0.25	0.30	0.35
e	0.50 BSC		

Package Outline





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I.S. EN ISO 9001
