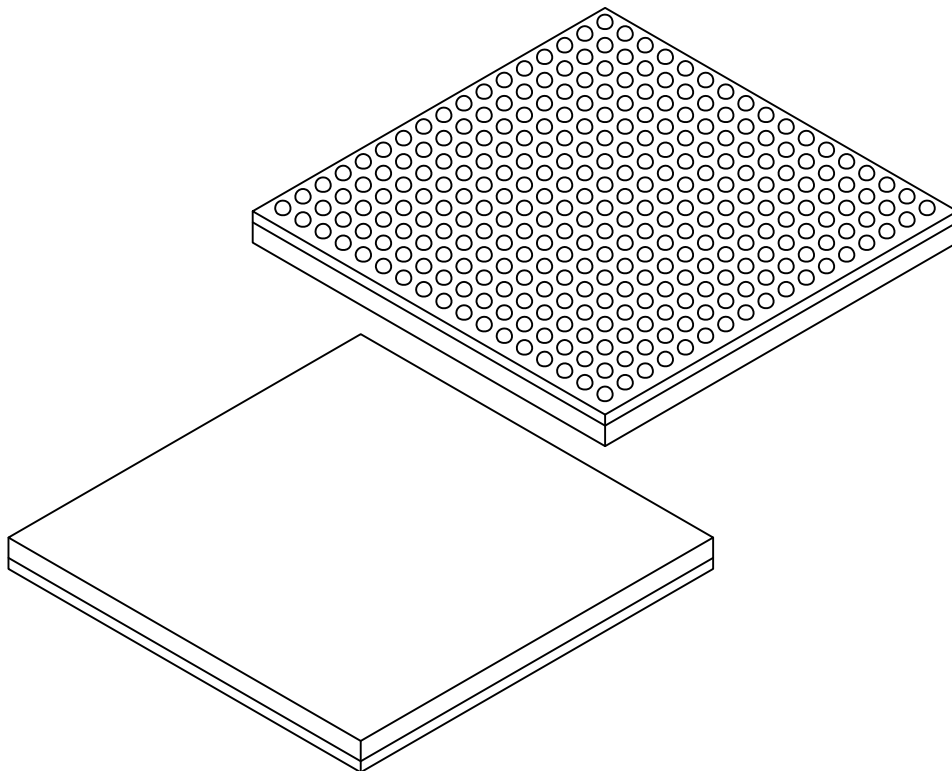


# 289-Ball Low Profile Fine Pitch Ball Grid Array (AMB) - 14x14x1.4 mm Body [LFBGA] Atmel Legacy Global Package Code CCZ

**Note:** For the most current package drawings, please see the Microchip Packaging Specification located at <http://www.microchip.com/packaging>



		Units	MILLIMETERS		
Dimension Limits			MIN	NOM	MAX
Number of Terminals	N		289		
Pitch	e		0.80 BSC		
Overall Height	A	-	-	1.40	
Ball Height	A1	0.27	0.32	0.37	
Molded Cap Thickness	A2	0.70 REF			
Substrate Thickness	A3	0.26 REF			
Overall Length	D	14.00 BSC			
Overall Width	E	14.00 BSC			
Terminal Diameter	b	0.38	0.43	0.48	

**Notes:**

- Pin 1 visual index feature may vary, but must be located within the hatched area.
- Dimensioning and tolerancing per ASME Y14.5M  
 BSC: Basic Dimension. Theoretically exact value shown without tolerances.  
 REF: Reference Dimension, usually without tolerance, for information purposes only.