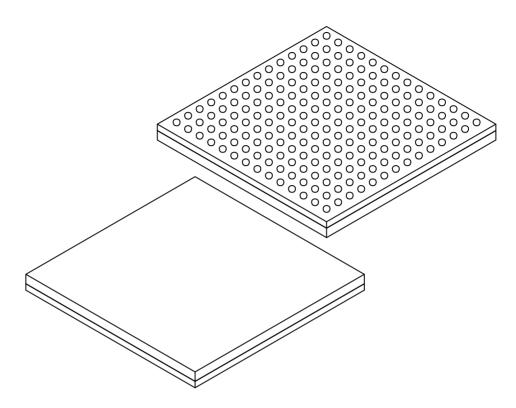
196-Ball Thin Fine Pitch Ball Grid Array (BAB) - 11x11 mm Body [TFBGA]

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



	Units	MILLIMETERS		
Dim	nension Limits	MIN	NOM	MAX
Number of Terminals	N	196		
Pitch	е	0.75 BSC		
Overall Height	А	-	ı	1.20
Ball Height	A1	0.16	0.25	0.26
Substrate Thickness	S	0.36 REF		
Mold Cap Thickness	M	0.53 REF		
Overall Length	D	11.00 BSC		
Overall Ball Pitch	eD	9.75 BSC		
Overall Width	E	11.00 BSC		
Overall Ball Pitch	eE	9.75 BSC		
Ball Diameter	b	0.27	0.32	0.37

Notes:

- 1. Pin 1 visual index feature may vary, but must be located within the hatched area.
- 2. 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.