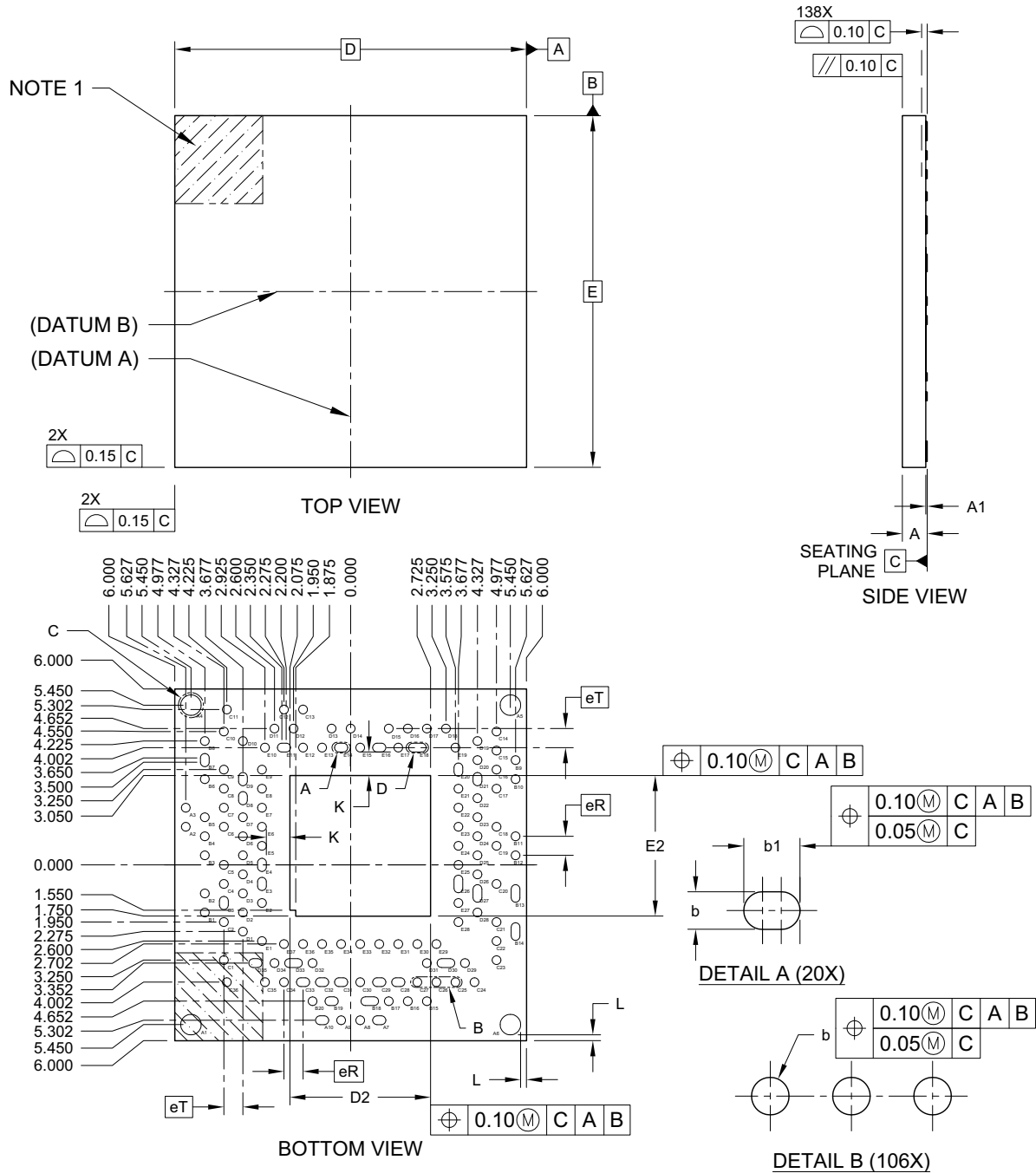


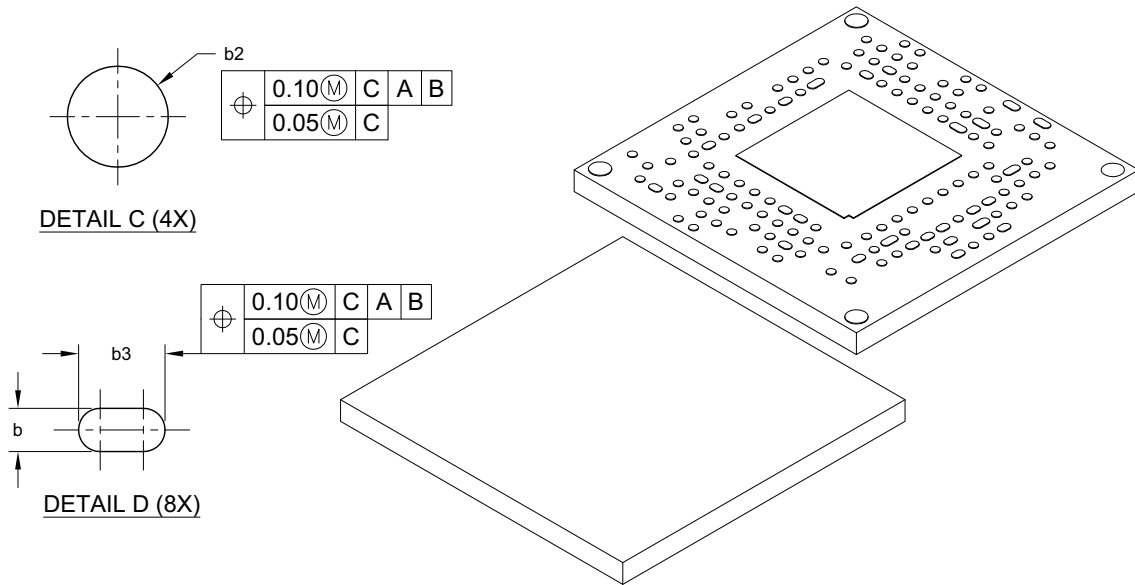
**138-Lead Very Thin Plastic Quad Flat, No Lead Package (2JC) - 12x12 mm Body [VQFN] Routable Package (Microsemi Legacy)**

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



**138-Lead Very Thin Plastic Quad Flat, No Lead Package (2JC) - 12x12 mm Body [VQFN]  
Routable Package {Microsemi Legacy}**

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		Units	MILLIMETERS		
Dimension Limits			MIN	NOM	MAX
Number of Terminals	N		138		
Pitch	eR		0.65 BSC		
Pitch	eT		0.65 BSC		
Overall Height	A	–	–	0.85	
Standoff	A1	0.02	0.05	0.08	
Overall Length	D		12.00 BSC		
Exposed Pad Length	D2	4.70	4.80	4.90	
Overall Width	E		12.00 BSC		
Exposed Pad Width	E2	4.70	4.80	4.90	
Terminal Width	b	0.25	0.30	0.35	
Terminal Width	b1	0.40	0.45	0.50	
Terminal Width	b2	0.65	0.70	0.75	
Terminal Width	b3	0.55	0.60	0.65	
Terminal Length	L	0.15	0.20	0.25	
Terminal-to-Exposed-Pad	K	0.752	0.802	0.852	

**Notes:**

- Pin 1 visual index feature may vary, but must be located within the hatched area.
- See the specific Application Note for each device for land pattern and PCB layout recommendations.
- 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.

