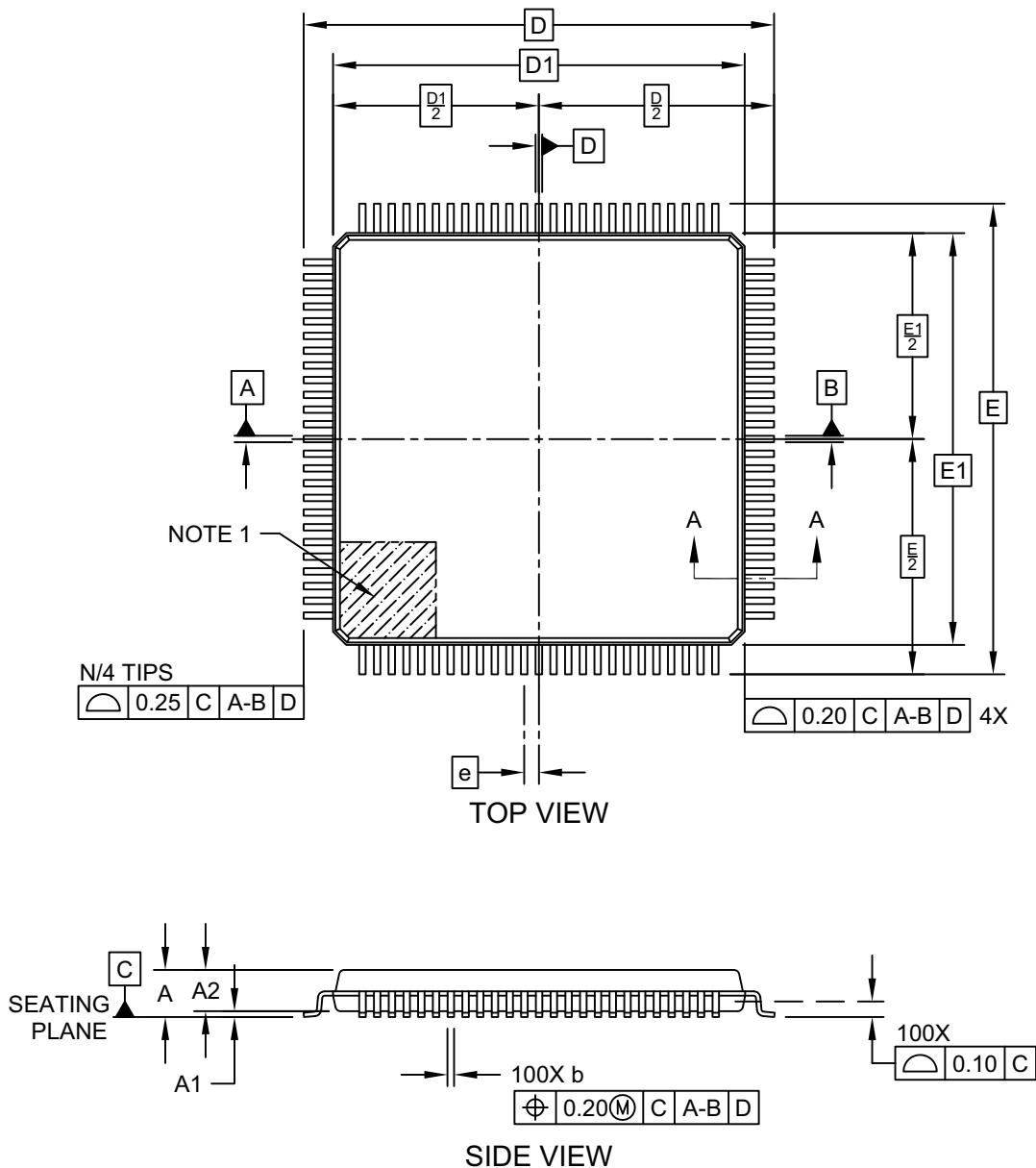


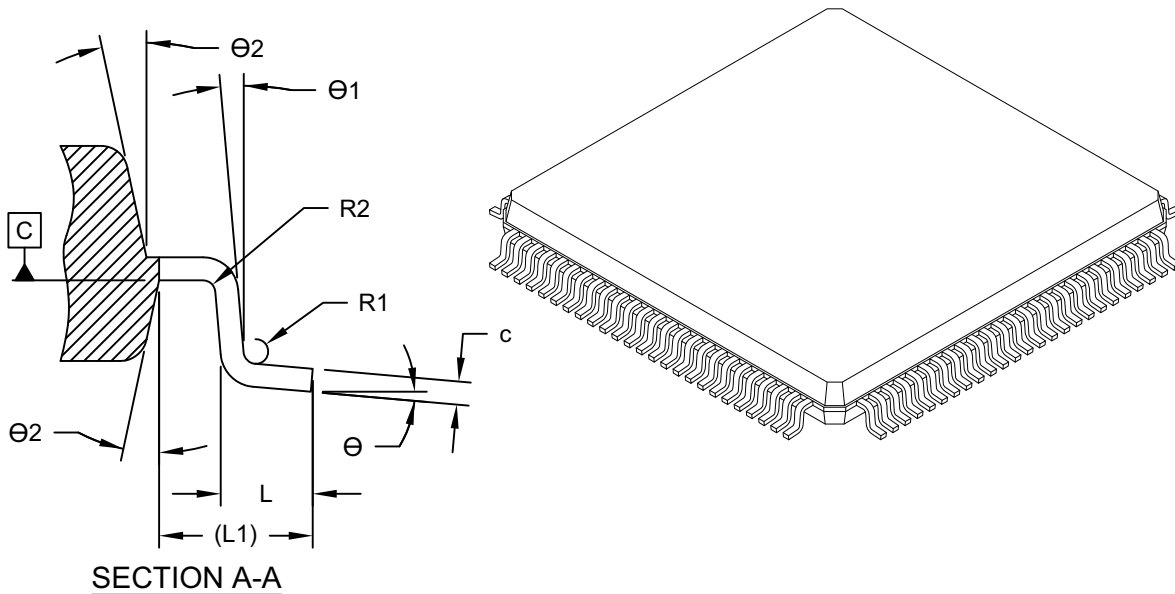
100-Lead Plastic Low Profile Quad Flatpack (2MB) - 14x14x1.4 mm Body [LQFP]
Atmel Legacy Global Package Code AZB

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



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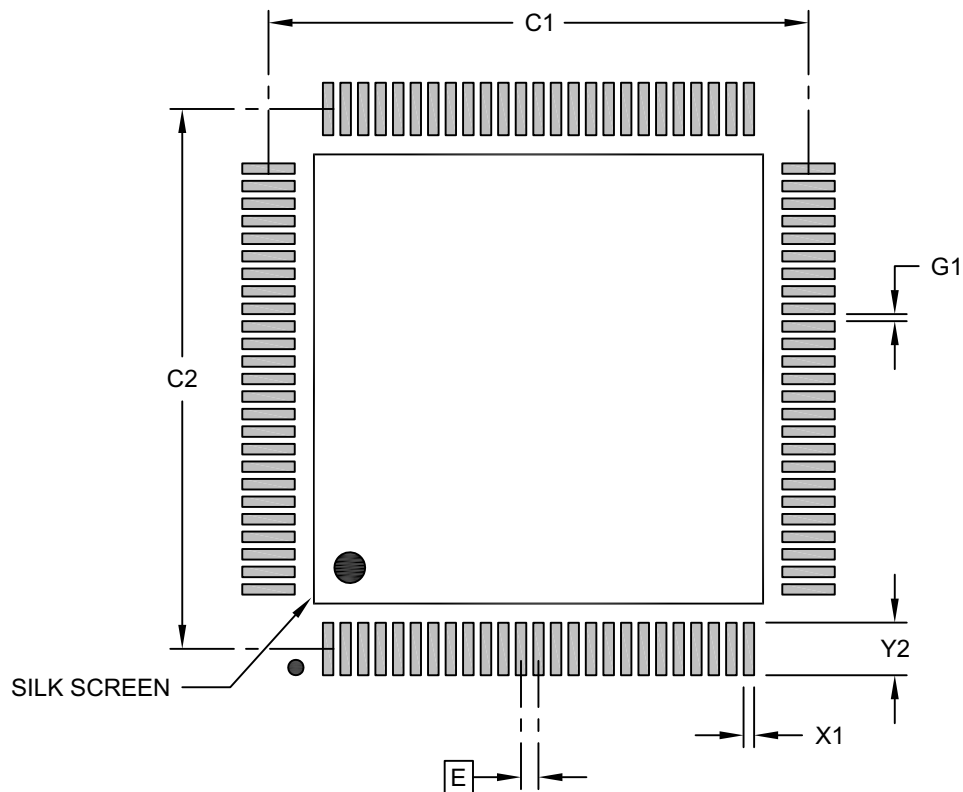
Dimension Limits	Units	MILLIMETERS		
		MIN	NOM	MAX
Number of Terminals	N	100		
Pitch	e	0.50 BSC		
Overall Height	A	-	-	1.60
Standoff	A1	0.05	0.02	0.15
Molded Plastic Height	A2	1.35	1.40	1.45
Overall Length	D	16.00 BSC		
Exposed Pad Length	D1	14.00 BSC		
Overall Width	E	16.00 BSC		
Exposed Pad Width	E1	14.00 BSC		
Terminal Width	b	0.17	0.22	0.27
Terminal Width	c	0.09	0.15	0.20
Terminal Length	L	0.40	0.60	0.75
Footprint	L1	1.00 REF		
Terminal Bend Radius	R1	0.08	-	-
Terminal Bend Radius	R2	0.08	-	0.20
Terminal Angle	Θ	0°	3.5°	7°
Terminal Angle	Θ1	0°	-	-
Mold Draft Angle	Θ2	11°	12°	13°

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.

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RECOMMENDED LAND PATTERN

Units		MILLIMETERS		
Dimension Limits		MIN	NOM	MAX
Contact Pitch	E	0.50 BSC		
Contact Pad Spacing	C1		15.40	
Contact Pad Spacing	C2		15.40	
Contact Pad Width (X100)	X1			0.30
Contact Pad Length (X100)	Y1			1.50
Contact Pad to Center Pad (X96)	G1	0.20		

Notes:

1. Dimensioning and tolerancing per ASME Y14.5M

BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-21007-2MB Rev A