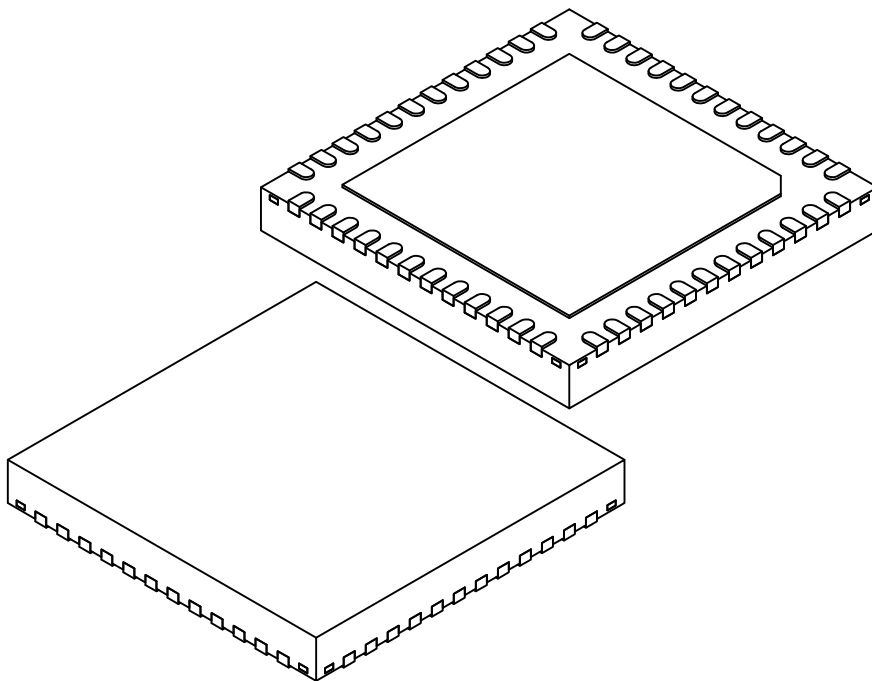


48-Lead Very Thin Quad Flat Pack No-Leads (T3B) 7x7x0.9 mm [VQFN] With 5.15x5.15 mm Exposed Pad; Atmel Legacy Global Package Code ZLG

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		48		
Pitch	e		0.50 BSC		
Overall Height	A	0.80	0.85	0.90	
Standoff	A1	0.00	0.02	0.05	
Terminal Thickness	A3	0.20 REF			
Overall Length	D	7.00 BSC			
Exposed Pad Length	D2	5.05	5.15	5.25	
Overall Width	E	7.00 BSC			
Exposed Pad Width	E2	5.05	5.15	5.25	
Terminal Width	b	0.18	0.25	0.30	
Terminal Length	L	0.30	0.40	0.50	
Terminal-to-Exposed-Pad	K	0.20	-	-	

Notes:

1. Pin 1 visual index feature may vary, but must be located within the hatched area.
2. Package is saw singulated
3. 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.