

**128-Lead Metric Quad Flat Pack (MQFP)  
3.2mm Footprint Package Dimensions**



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3.2mm Footprint**



Symbol	Inches		Millimeters		Notes
	Min.	Max.	Min.	Max.	
A	—	.160	—	4.10	
A1	.010	—	.25	—	
B	.012	.018	.29	.45	3, 5
C	.005	.009	.11	.23	5
D/E	1.228 BSC		31.20 BSC		
D1/E1	1.102 BSC		28.00 BSC		
e	.0315 BSC		.80 BSC		
L	.029	.041	.73	1.03	4
N	128		128		
ND	32		32		
$\alpha$	0°	7°	0°	7°	
ccc	—	.004	—	0.10	

**Notes:**

1. All dimensions and tolerances conform to ANSI Y14.5M-1982.
2. Controlling dimension is millimeters.
3. Dimension "B" does not include dambar protrusion. Allowable dambar protrusion shall be .08mm (.003in.) maximum in excess of the "B" dimension. Dambar cannot be located on the lower radius or the foot.
4. "L" is the length of terminal for soldering to a substrate.
5. "B" & "C" includes lead finish thickness.

