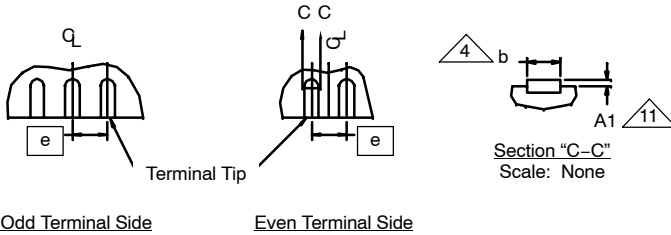
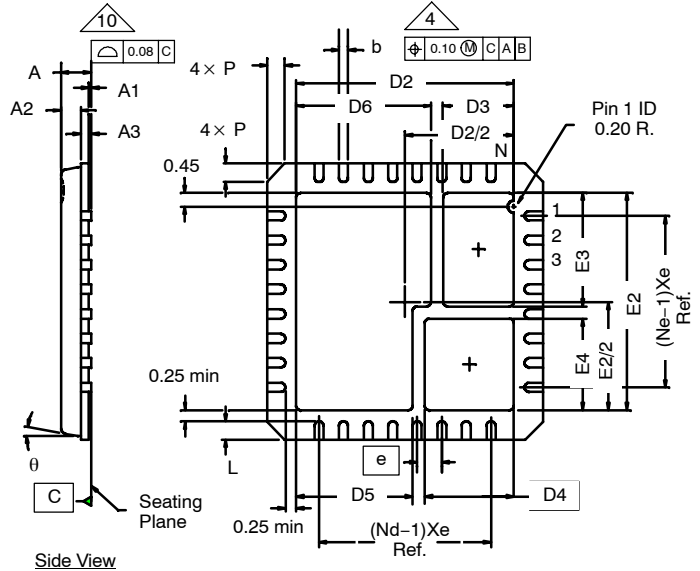
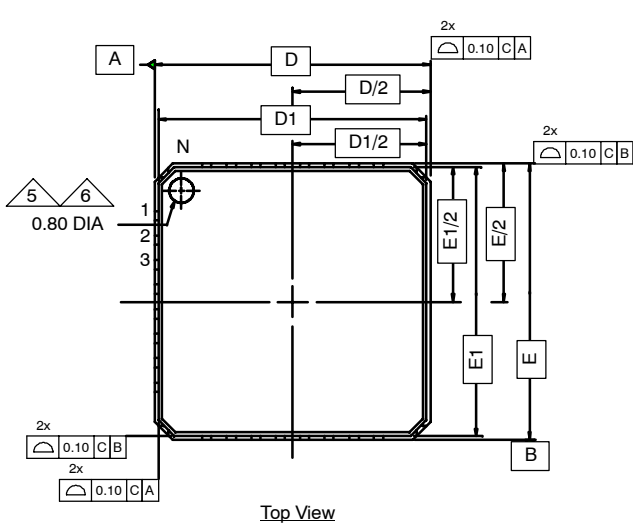




PowerPAK® MLF 9 × 9



NOTES:

1. Die thickness allowable is 0.305-maximum (0.12-inches maximum)
2. Dimensioning and tolerancing conform to ASME Y14.5M-1994.
3. N is the total number of terminals. Nd is the number of terminals in the X-direction and Ne is the number of terminals in the Y-direction.

4. Dimension b applies to plated terminal and is measured between 0.20 mm and 0.25 mm from the terminal tip.
5. The pin #1 identifier must exist on the top surface of the package. The identifier may be an indentation mark or other feature of the package body.
6. Exact shape and size of this feature is optional.
7. Millimeters will govern.
8. The shape shown on four corners are not actual I/O.
9. Package warpage maximum is 0.08 mm.
10. Applied for exposed pad and terminals exclude embedding part of exposed pad from measuring.
11. Applied only for terminals.



EXPOSED PAD VARIATIONS (Millimeters)											
D2			E2			D3			E3		
Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
6.95	7.10	7.25	6.95	7.10	7.25	2.15	2.30	2.45	3.55	3.70	3.85
D4			E4			D5			D6		
Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
2.75	2.90	3.05	2.85	3.00	3.15	3.65	3.80	3.95	4.25	4.40	4.55
EXPOSED PAD VARIATIONS (Inches)											
D2			E2			D3			E3		
Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
0.274	0.280	0.285	0.274	0.280	0.285	0.085	0.091	0.096	0.140	0.146	0.152
D4			E4			D5			D6		
Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
0.108	0.114	0.120	0.112	0.118	0.124	0.144	0.150	0.155	0.167	0.173	0.179

DIMENSIONS							
Dim	MILLIMETERS*			INCHES			NOTE
	Min	Nom	Max	Min	Nom	Max	
A	—	0.85	0.90	—	0.033	0.035	
A1	0.00	0.01	0.05	0.000	—	0.002	11
A2	—	0.65	0.80	—	0.026	0.031	
A3	0.20 REF			0.008 REF			
b	0.25	0.30	0.35	0.010	0.012	0.014	4
D	9.00 BSC			0.354 BSC			
D1	8.75 BSC			0.344 BSC			
e	0.80 BSC			0.031 BSC			
E	9.00 BSC			0.354 BSC			
E1	8.75 BSC			0.344 BSC			
L	0.50	0.60	0.75	0.020	0.024	0.030	
N	32			32			3
Nd	8			8			3
Ne	8			8			3
P	0.24	0.42	0.60	0.009	0.017	0.024	
θ	—	—	12°	—	—	12°	

* Use millimeters as the primary measurement.

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