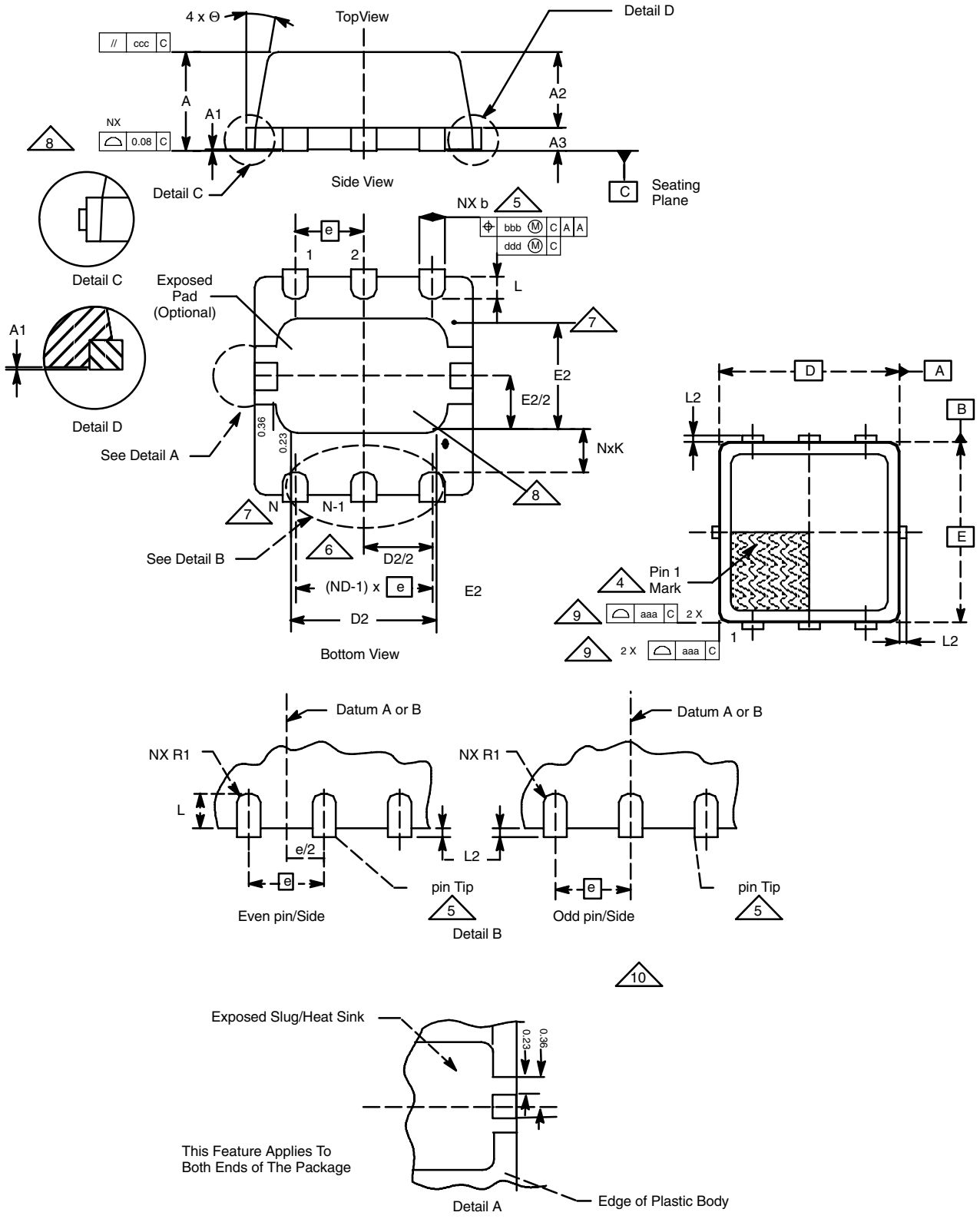
PowerPAK® MLP33-6, 8 AND 10 WITH LARGE PAD (POWER IC ONLY)



PowerPAK® MLP33-6, 8, 10 WITH LARGE PAD

N = 6 PITCH: 0.95 mm
N = 8 PITCH: 0.65 mm
N = 10 PITCH: 0.50 mm

Dim	MILLIMETERS*				INCHES				Notes
	Basic	Min	Nom	Max	Basic	Min	Nom	Max	
A	–	0.80	0.90	1.00	–	0.031	0.035	0.039	1, 2
A1	–	0.00	0.025	0.05	–	0.000	0.001	0.002	1, 2
A2	–	0.65	0.70	0.75	–	0.026	0.028	0.030	1, 2
A3	–	0.15	0.20	0.25	–	0.006	0.008	0.010	1, 2
aaa	–	–	0.10	–	–	–	0.004	–	1, 2
b-6	–	0.33	0.35	0.43	–	0.013	0.014	0.017	1, 2, 8
b-8	–	0.285	0.305	0.385	–	0.011	0.012	0.015	1, 2, 8
b-10	–	0.18	0.20	0.28	–	0.007	0.008	0.011	1, 2, 8
bbb	–	–	0.10	–	–	–	0.004	–	1, 2
ccc	–	–	0.10	–	–	–	0.004	–	1, 2
D	3.00	–	–	–	0.118	–	–	–	1, 2, 8
D2	–	2.23	2.38	2.48	–	0.088	0.094	0.098	1, 2, 8
ddd	–	–	0.05	–	–		0.002		1, 2
E	3.00	–	–	–	0.118	–	–	–	1, 2, 8
E2	–	1.49	1.64	1.74	–	0.059	0.065	0.068	1, 2, 8
e-6	–	–	0.95	–	–	–	0.037	–	1, 2
e-8	–	–	0.65	–	–	–	0.026	–	1, 2
e-10	–	–	0.50	–	–	–	0.020	–	1, 2
K	–	0.20	–	–	–	0.008	–	–	5, 11
L	–	0.30	0.40	0.50	–	0.012	0.016	0.02	1, 2, 8
L1-6	–	0.16	0.24	0.40	–	0.006	0.009	0.016	1, 2, 8
L1-8	–	0.16	0.24	0.40	–	0.006	0.009	0.016	1, 2, 8
L1-10	–	–	–	–	–	–	–	–	1, 2, 8
R Ref	–	–	0.15	–	–	–	0.006	–	1, 2, 8
R1 Ref-6	–	–	0.127	–	–	–	0.005	–	1, 2, 8
R1 Ref-8	–	–	0.15	–	–	–	0.006	–	1, 2, 8
R1 Ref-10	–	–	0.075	–	–	–	0.003	–	1, 2, 8
Θ	–	0°	10°	14°	–	0°	10°	14°	1, 2

* Use millimeters as the primary measurement.

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NOTES:

1. Dimensioning and tolerancing conform to ASME Y14.5M-1994.
2. All dimensions are in millimeters. All angels are in degrees.
3. N is the total number of pins.
4. The pin #1 identifier and pin numbering convention shall conform to JESD 95-1 SPP-012. Details of pin #1 identifier is located within the zone indicated. The pin #1 identifier is marked.
5. Dimension b applies to metallized pin and is measured between 0.15 mm and 0.20 mm from the pin tip.
6. ND refers to the maximum number of pins on the D side.
7. Depopulation of pins is allowed and will be called out on the individual variation.
8. Coplanarity applies to the exposed heat sink slug as well as the pins.
9. Profile tolerance (aaa) will be applicable only to the plastic body and not to the metallized features (such as the pin tips and tie bars.) Metallized features may protrude a maximum of L2 from the plastic body profile.
10. L1 max is not called out, the metallized feature will extend to the exposed pad. Thus, the 0.17-mm gap does not apply.
11. The corner will be sharp unless otherwise specified with radius dimensions.