

NOTES:

- 1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5-1994.
- 2. DATUM PLANE H LOCATED AT THE BOTTOM OF THE MOLD PARTING LINE AND COINCIDENT WITH WHERE LEAD EXITS PLASTIC BODY.
- 3. DATUMS A-B AND D TO BE DETERMINED WHERE CENTER LINE BETWEEN LEADS EXITS PLASTIC BODY AT DATUM PLANE H.
- 4. TO BE DETERMINED AT SEATING PLANE C.
- 5. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION IS 0.254 MM PER SIDE. DIMENSIONS D1 AND E1 DO INCLUDE MOLD MISMATCH AND ARE DETERMINED AT DATUM PLANE H.
- 6. 1/4" IS NUMBER OF TERMINAL LEADS.
- 7. PACKAGE TOP DIMENSIONS ARE SMALLER THAN BOTTOM DIMENSIONS BY 0.20 MM, AND TOP OF PACKAGE WILL NOT OVERHANG BOTTOM OF PACKAGE.
- 8. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALL DIMENSIONABLE DAMBAR PROTRUSION SHALL BE 0.08 MM TOTAL IN EXCESS OF b DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CAN NOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.
- 9. ALL DIMENSIONS ARE IN MILLIMETERS.
- 10. THIS DRAWING CONFORMS TO JEDEC REGISTERED OUTLINE MS-022.
- 11. MAXIMUM ALLOWABLE DIE THICKNESS TO BE ASSEMBLED IN THIS PACKAGE FAMILY IS 0.635 MM. IN THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 010 MM AND 025 MM FROM THE LEAD TIP.

LD CNT.	ANAM/AMKOR	JEDEC MS-022
120	DA-1	DA-1
128	DB-1	DB-1
144	DC-1	DC-1
160	DD-1	DD-1
208	DE-1	DE-1
136	DF-1	DF-1
256	DG-1	DF-1

VARIATIONS
ALL DIMENSIONS IN MILLIMETERS

S Y M B O L	DA-1		DB-1		DC-1		DD-1		DE-1		DF-1		DG-1		N T E
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
A	3.70	4.10	3.70	4.10	3.70	4.10	3.70	4.10	3.70	4.07	3.70	4.07	3.70	4.07	4
A1	0.25	0.30	0.25	0.30	0.25	0.30	0.25	0.30	0.25	0.30	0.25	0.30	0.25	0.30	4
A2	3.20	3.60	3.20	3.60	3.20	3.60	3.20	3.60	3.20	3.57	3.20	3.57	3.20	3.60	4
D	3120 BSC.		3120 BSC.		3120 BSC.		3120 BSC.		3120 BSC.		3120 BSC.		3120 BSC.		4
D1	2800 BSC.		2800 BSC.		2800 BSC.		2800 BSC.		2800 BSC.		2800 BSC.		2800 BSC.		5
D2	2420 BSC.		2480 BSC.		2275 BSC.		2530 BSC.		2530 REF.		2145 REF.		3275 REF.		5
Z0	240 REF.		160 REF.		2625 REF.		1325 REF.		125 REF.		3275 REF.		140 REF.		4
E	3120 BSC.		3120 BSC.		3120 BSC.		3120 BSC.		3120 BSC.		3120 BSC.		3120 BSC.		4
E1	2800 BSC.		2800 BSC.		2800 BSC.		2800 BSC.		2800 BSC.		2800 BSC.		2800 BSC.		5
E2	2320 BSC.		2480 BSC.		2275 BSC.		2530 BSC.		2530 BSC.		2145 BSC.		2520 BSC.		5
E3	240 REF.		160 REF.		2625 REF.		1325 REF.		125 REF.		3275 REF.		140 REF.		5
L	0.73	0.88	1.03	0.73	0.88	1.03	0.73	0.88	1.03	0.73	0.88	1.03	0.73	0.88	1.03
N	120		128		144		160		208		136		256		6
e	0.80 BSC.		0.80 BSC.		0.65 BSC.		0.65 BSC.		0.50 BSC.		0.65 BSC.		0.40 BSC.		6
b	0.29	0.45	0.29	0.45	0.22	0.40	0.22	0.40	0.13	0.25	0.22	0.38	0.13	0.18	0.23
b1	0.29	0.35	0.41	0.29	0.35	0.41	0.22	0.30	0.36	0.13	0.18	0.20	0.22	0.30	0.33
ccc	0.20		0.20		0.13		0.13		0.08		0.12		0.12		0.07