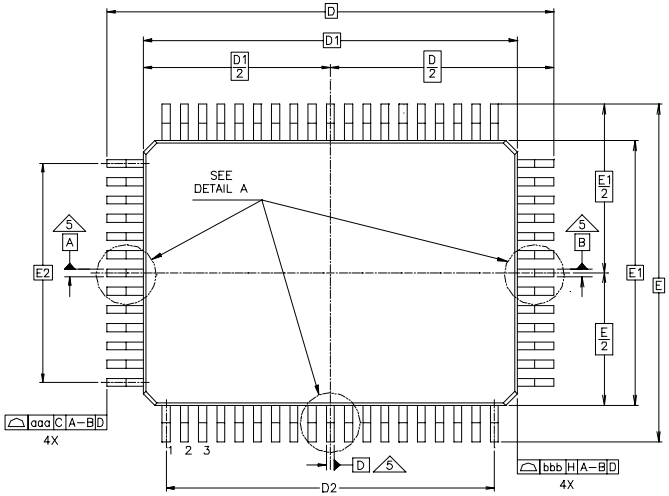
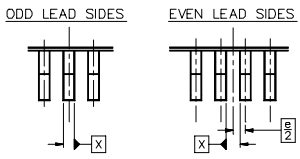
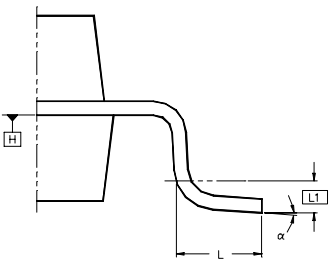
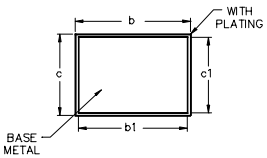
Package Dimensions - 64 Lead MQFP



SYMBOL	DIMENSIONS					
	MILLIMETERS			INCHES		
	MS–022GA–2			MS–022GA–2		
	MIN	NOM	MAX	MIN	NOM	MAX
A	2.50	2.83	3.15	.098	.111	.124
A1	0.00	0.13	0.25	.000	.005	.010
A2	2.50	2.70	2.90	.098	.106	.114
b	0.35	---	0.50	.014	---	.020
b1	0.35	0.40	0.45	.014	.016	.018
c	0.09	---	0.20	.004	---	.007
c1	0.09	---	0.16	.004	---	.006
D	23.20 BSC			.913 BSC		
D1	20.00 BSC			.787 BSC		
D2	18.00 REF			.709 REF		
E	17.20 BSC			.677 BSC		
E1	14.00 BSC			.551 BSC		
E2	12.00 REF			.472 REF		
e	1.00 BSC			.039 BSC		
L	0.73	0.88	1.03	.029	.035	.040
L1	0.25 BSC			.010 BSC		
α	0°	---	7°	0°	---	7°
aaa	0.25			.010		
bbb	0.20			.008		
ccc	0.20			.008		
ddd	0.10			.004		







NOTES

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M–1994.
2. DIMENSIONS ARE SHOWN IN MILLIMETERS AND INCHES.
3. CONTROLLING DIMENSION: MILLIMETER.
4. DATUM PLANE H IS LOCATED AT THE BOTTOM OF THE MOLD PARTING LINE COINCIDENT WITH WHERE THE LEAD EXITS THE BODY.

5. DATUM A – B AND D TO BE DETERMINED AT DATUM PLANE H.

6. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSIONS, ALLOWABLE PROTRUSION IS 0.25mm PER SIDE, D1 AND E1 DO INCLUDE MOLD MISMATCH AND ARE DETERMINED AT DATUM PLANE H.

7. OUTLINE CONFORMS TO JEDEC OUTLINE MS–022GB1.