

NOTES:

1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994.
2. DATUM PLANE \square -H- \square LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
3. DATUMS \square A- \square B \square AND \square D- \square TO BE DETERMINED AT CENTERLINE BETWEEN LEADS WHERE LEADS EXIT PLASTIC BODY AT DATUM PLANE \square -H- \square .
4. TO BE DETERMINED AT SEATING PLANE \square -C- \square .
5. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION ALLOWABLE MOLD PROTRUSION IS 0.254 MM DN D1 AND E1 DIMENSIONS.
6. 'N' IS THE TOTAL NUMBER OF TERMINALS.
7. THESE DIMENSIONS TO BE DETERMINED AT DATUM PLANE \square -H- \square .
8. PACKAGE TOP DIMENSIONS ARE SMALLER THAN BOTTOM DIMENSIONS AND TOP OF PACKAGE WILL NOT OVERHANG BOTTOM OF PACKAGE.
9. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08mm TOTAL IN EXCESS OF THE b DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.
10. CONTROLLING DIMENSION: MILLIMETER.
11. MAXIMUM ALLOWABLE DIE THICKNESS TO BE ASSEMBLED IN THIS PACKAGE FAMILY IS 0.38 MILLIMETERS.
12. THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MS-026, VARIATION BEB, BEC, BED, & BEE.
13. A1 IS DEFINED AS THE DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT OF THE PACKAGE BODY.
14. DIMENSION D2 AND E2 REPRESENT THE SIZE OF THE EXPOSED PAD. THE ACTUAL DIMENSIONS ARE SPECIFIED ON THE LEADFRAME DRAWING.

JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS				
S	Y	X	Z	N
A	A1	A2	D	D1
B	b	b1	L	N
D	e	ccc	ddd	
MIN.	0.05	1.35	16.00 BSC.	14.00 BSC.
NDM.	~	~	~	~
MAX.	1.60	1.45	16.00 BSC.	14.00 BSC.
	0.15	1.45	16.00 BSC.	14.00 BSC.
	0.45	0.60	0.75	0.75
	0.42	0.40	0.50	0.50
	0.35	0.40	0.45	0.45
	0.20	0.10	0.20	0.20
			1.00 BSC.	52
				9

JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS				
S	Y	X	Z	N
A	A1	A2	D	D1
B	b	b1	L	N
D	e	ccc	ddd	
MIN.	0.05	1.35	16.00 BSC.	14.00 BSC.
NDM.	~	~	~	~
MAX.	1.60	1.45	16.00 BSC.	14.00 BSC.
	0.15	1.45	16.00 BSC.	14.00 BSC.
	0.45	0.60	0.75	0.75
	0.37	0.35	0.45	0.45
	0.30	0.35	0.40	0.40
	0.20	0.10	0.20	0.20
			0.80 BSC.	64
				9

JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS				
S	Y	X	Z	N
A	A1	A2	D	D1
B	b	b1	L	N
D	e	ccc	ddd	
MIN.	0.05	1.35	16.00 BSC.	14.00 BSC.
NDM.	~	~	~	~
MAX.	1.60	1.45	16.00 BSC.	14.00 BSC.
	0.15	1.45	16.00 BSC.	14.00 BSC.
	0.45	0.60	0.75	0.75
	0.32	0.30	0.38	0.38
	0.22	0.30	0.33	0.33
	0.22	0.10	0.10	0.10
			0.65 BSC.	80
				9

JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS				
S	Y	X	Z	N
A	A1	A2	D	D1
B	b	b1	L	N
D	e	ccc	ddd	
MIN.	0.05	1.35	16.00 BSC.	14.00 BSC.
NDM.	~	~	~	~
MAX.	1.60	1.45	16.00 BSC.	14.00 BSC.
	0.15	1.45	16.00 BSC.	14.00 BSC.
	0.45	0.60	0.75	0.75
	0.22	0.20	0.27	0.27
	0.17	0.20	0.23	0.23
	0.08	0.08	0.08	0.08
			0.50 BSC.	100
				9


JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS				
S	Y	X	Z	N
A	A1	A2	D	D1
B	b	b1	L	N
D	e	ccc	ddd	
MIN.	0.05	1.35	16.00 BSC.	14.00 BSC.
NDM.	~	~	~	~
MAX.	1.60	1.45	16.00 BSC.	14.00 BSC.
	0.15	1.45	16.00 BSC.	14.00 BSC.
	0.45	0.60	0.75	0.75
	0.18	0.16	0.23	0.23
	0.13	0.16	0.19	0.19
	0.08	0.08	0.08	0.08
			0.40 BSC.	120
				9

JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS				
S	Y	X	Z	N
A	A1	A2	D	D1
B	b	b1	L	N
D	e	ccc	ddd	
MIN.	0.05	1.35	16.00 BSC.	14.00 BSC.
NDM.	~	~	~	~
MAX.	1.60	1.45	16.00 BSC.	14.00 BSC.
	0.15	1.45	16.00 BSC.	14.00 BSC.
	0.45	0.60	0.75	0.75
	0.18	0.16	0.23	0.23
	0.13	0.16	0.19	0.19
	0.08	0.08	0.08	0.08
			0.40 BSC.	*128
				9

*BASED ON 120 μ d WITH ADDED LEADS @ EACH CORNER

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PACKAGE OUTLINE: LQFP, 14 X 14 mm BODY, 1.00/0.10 mm FORM, 1.40 mm THICK, 4 EJECT PINS (OPTIONAL ePAD)

REV	DATE	BY	CHKD	APP'D
A3	SEE PAGE 1			
REV	DATE	BY	CHKD	APP'D
N/A				

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