


-DRAWING NOT TO SCALE-


**maxim  
 integrated.**

TITLE:  
 PACKAGE OUTLINE,  
 LQFP, 14x14x1.4mm

APPROVAL	DOCUMENT CONTROL NO. 21-0684	REV. A	1/2
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NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5-1982.
3. DATUM PLANE **H** LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
4. DATUMS **A-B** AND **D** TO BE DETERMINED AT CENTERLINE BETWEEN LEADS WHERE LEADS EXIT PLASTIC BODY AT DATUM PLANE **H**.
5. TO BE DETERMINED AT SEATING PLANE **C**
6. DIMENSIONS D1 AND E1 INCLUDE MOLD MISMATCH, BUT DO NOT INCLUDE MOLD PROTRUSION; ALLOWABLE PROTRUSION IS 0.254 MM PER SIDE.
7. "N" IS THE TOTAL NUMBER OF TERMINALS.
8. TO BE DETERMINED AT DATUM PLANE **H**
9. PACKAGE TOP DIMENSIONS ARE SMALLER THAN BOTTOM DIMENSIONS AND TOP OF PACKAGE WILL NOT OVERHANG BOTTOM OF PACKAGE.
10. 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.
11. THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MS-026,
12. A1 IS DEFINED AS THE DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT OF THE PACKAGE BODY.
13. DETAILS OF PIN 1 IDENTIFIER ARE OPTIONAL BUT MUST BE LOCATED WITHIN THE ZONE INDICATED.
14. MATERIAL MUST BE COMPLIANT WITH MAXIM SPECIFICATION 10-0131 FOR SUBSTANCE CONTENT, MUST BE EU ROHS COMPLIANT WITHOUT EXEMPTION AND PB-FREE.
15. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbfREE (+) PKG. CODES.

SYMBOL	VARIATION A		
	MIN.	NOM.	MAX.
N	100		
e	0.50 BSC.		
b	0.17	0.22	0.27
b1	0.17	0.20	0.23
ccc	-	-	0.08
ddd	-	-	0.08
PKG CODE	C100L-7, C100L-8, C100L-9		

SYMBOL	VARIATION B		
	MIN.	NOM.	MAX.
N	120		
e	0.40 BSC		
b	0.13	0.18	0.23
b1	0.13	0.16	0.19
ccc	-	-	0.08
ddd	-	-	0.07
PKG CODE	C120L-1		

SYMBOL	COMMON DIMENSIONS		
	MIN.	NOM.	MAX.
A	-	-	1.60
A1	0.05	-	0.15
A2	1.35	1.40	1.45
D	16.00 BSC.		
D1	14.00 BSC.		
E	16.00 BSC.		
E1	14.00 BSC.		
L	0.45	0.60	0.75

SYMBOL	VARIATION C		
	MIN.	NOM.	MAX.
N	128		
e	0.40 BSC		
b	0.13	0.18	0.23
b1	0.13	0.16	0.19
ccc	-	-	0.08
ddd	-	-	0.07
PKG CODE	C128L-4		



TITLE:  
PACKAGE OUTLINE,  
LQFP, 14x14x1.4mm

APPROVAL	DOCUMENT CONTROL NO. 21-0684	REV. A	2/2
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