


-DRAWING NOT TO SCALE-

 maxim integrated™


TITLE:  
PACKAGE OUTLINE, PUNCH QFN,  
7x7x0.85mm

APPROVAL	DOCUMENT CONTROL NO. 21-0698	REV. B	1/2
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NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M, - 1994.
3. DIMENSION  $b$  APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.30mm FROM TERMINAL TIP.
4. THE PIN #1 IDENTIFIER MUST EXIST ON THE TOP SURFACE OF THE PACKAGE BY USING INDENTATION MARK OR OTHER FEATURE OF PACKAGE BODY.
5. THE SHAPE SHOWN ON FOUR CORNERS ARE NOT ACTUAL I/O.
6. BILATERAL COPLANARITY ZONE APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS.
7. Q AND R APPLIES ONLY FOR STRAGHT TIEBAR SHAPES.
8. MARKING SHOWN IS FOR PACKAGE ORIENTATION REFERENCE ONLY.
9. N IS THE NUMBER OF TERMINALS.  
NE IS THE NUMBER OF TERMINALS IN X-DIRECTION  
ND IS THE NUMBER OF TERMINALS IN Y-DIRECTION.
10. MATERIAL MUST BE COMPLIANT WITH MAXIM SPECIFICATION 10-0131 FOR SUBSTANCE CONTENT, MUST BE EU ROHS COMPLIANT WITHOUT EXEMPTION AND PB-FREE.
11. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbFREE (+) PKG. CODES.
12. PKG CODE: G4477M-1, G5677-1

SYMBOL	COMMON DIMENSIONS		
	MIN.	NOM.	MAX.
A	0.80	0.85	0.90
A1	0.00	0.01	0.05
A2	0.60	0.65	0.70
A3	0.20 REF.		
D	7.00 BSC		
D1	6.75 BSC		
E	7.00 BSC		
E1	6.75 BSC		
$\theta$	0	-	12°
P	0.24	0.42	0.60
Q	0.30	0.40	0.65
R	0.13	0.17	0.23

SYMBOL	G4477M-1			G5677-1		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
	0.50 BSC			0.40 BSC		
N	44			56		
Nd	11			14		
Ne	11			14		
L	0.50	0.60	0.75	0.30	0.40	0.50
b	0.18	0.23	0.30	0.15	0.20	0.25
D2	5.00	5.10	5.20	5.00	5.10	5.20
E2	5.00	5.10	5.20	5.00	5.10	5.20



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