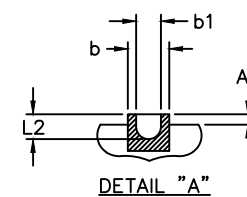
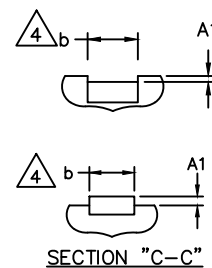
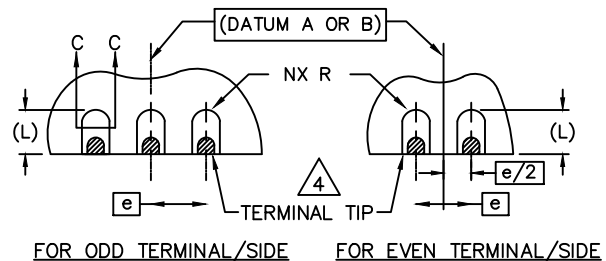
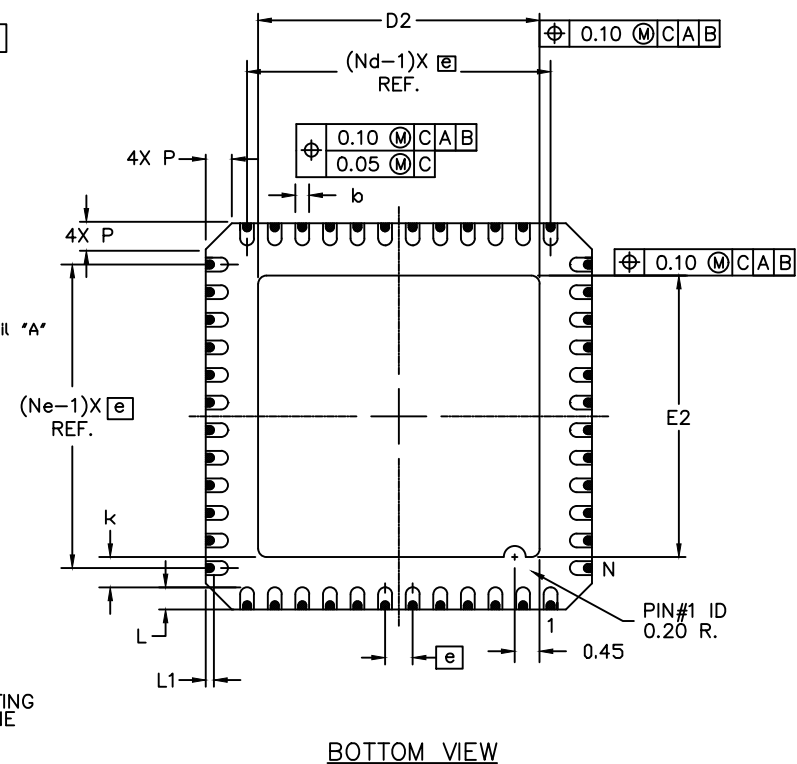
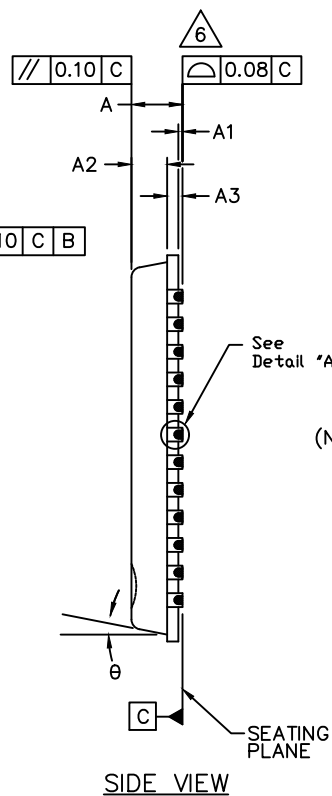
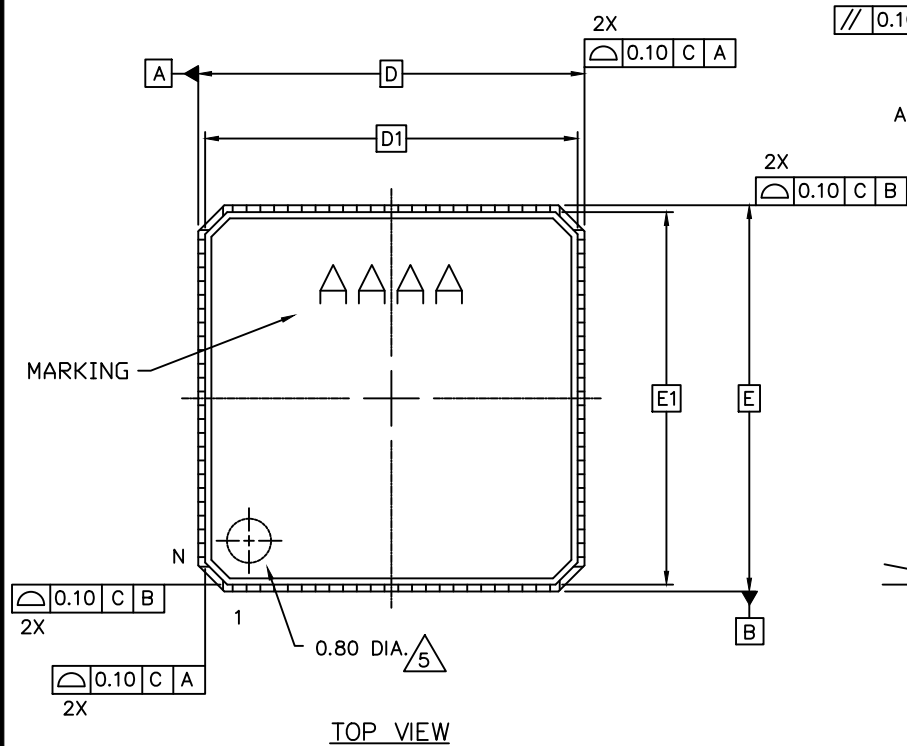


Dimple Version



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TITLE:
PACKAGE OUTLINE, 48L 7x7x0.85mm
SIDE WETTABLE QFN PKG.

APPROVAL

DOCUMENT CONTROL NO.
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REV.	F
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Dimple Version

NOTES

1. DIE THICKNESS ALLOWABLE IS 0.305mm MAXIMUM (0.012 INCHES MAXIMUM).
2. DIMENSIONING & TOLERANCES CONFORM TO ASME Y14.5M. - 1994.
3. N IS THE NUMBER OF TERMINALS.
4. DIMENSION b APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.30mm FROM TERMINAL TIP.
5. THE PIN #1 IDENTIFIER MUST BE EXISTED ON THE TOP SURFACE OF THE PACKAGE BY USING INDENTATION MARK OR OTHER FEATURE OF PACKAGE BODY.
6. UNILATERAL COPLANARITY ZONE APPLIES TO EXPOSED PAD AS WELL AS THE TERMINALS.
7. ALL DIMENSIONS ARE IN MILLIMETERS.
8. MEETS JEDEC MO220.
9. MATERIAL MUST COMPLY WITH BANNED AND RESTRICTED SUBSTANCES SPEC # 10-0131.
10. MARKING SHOWN IS FOR PACKAGE ORIENTATION REFERENCE ONLY.
11. ALL DIMENSIONS APPLY TO PbFREE (+) PKG. CODE ONLY.

SYMBOL	COMMON DIMENSIONS			NOTE
	MIN.	NOM.	MAX.	
A	0.80	0.85	0.90	
A1	0.00	0.01	0.05	6
A2	0.60	0.65	0.70	
A3	0.20 REF.			
b	0.20	0.25	0.30	
b1	0.10	0.15	0.20	
D	6.90	7.00	7.10	
D1	6.75 BSC			
E	6.90	7.00	7.10	
E1	6.75 BSC			
e	0.50 BSC			
k	0.25	—	—	
L	0.30	0.40	0.50	
L1	0.05	0.15	0.25	
L2	0.05	0.10	0.15	
N	48			3
Ne	12			
Nd	12			
P	0.24	0.42	0.60	
θ	0	—	12°	

EXPOSED PAD VARIATIONS						
PKG. CODES	D2			E2		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
G4877Y+1	4.95	5.1	5.25	4.95	5.1	5.25
G4877Y+2	4.95	5.1	5.25	4.95	5.1	5.25
G4877Y+3	5.35	5.5	5.65	5.35	5.5	5.65
G4877Y+3C	5.35	5.5	5.65	5.35	5.5	5.65



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APPROVAL

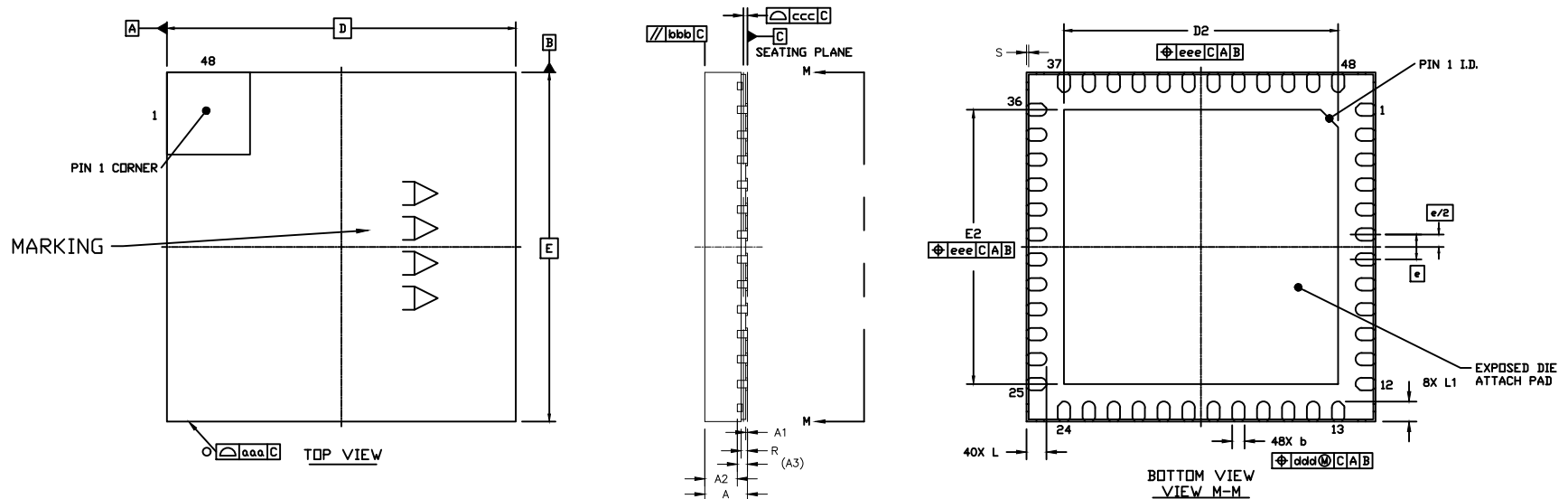
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Step Cut Version



	SYMBOL	MIN	NOM	MAX
TOTAL THICKNESS	A	0.8	0.85	0.9
STAND OFF	A1	0	0.035	0.05
MOLD THICKNESS	A2	---	0.65	---
L/F THICKNESS	A3	0.203 REF		
LEAD WIDTH	b	0.2	0.25	0.3
BODY SIZE	X	7 BSC		
	Y	7 BSC		
LEAD PITCH	e	0.5 BSC		
LEAD LENGTH	L	0.35	0.4	0.45
	L1	0.3	0.4	0.45
PACKAGE EDGE TOLERANCE	aaa	0.1		
MOLD FLATNESS	bbb	0.1		
COPLANARITY	ccc	0.08		
LEAD OFFSET	ddd	0.1		
EXPOSED PAD OFFSET	eee	0.1		
HALF-CUT DEPTH	R	0.075	-	0.175
HALF-CUT WIDTH	S	0.010	-	0.075

NOTES

- 1.0 COPLANARITY APPLIES TO LEADS, CORNER LEADS AND EXPOSED PAD.
- 2.0 TOTAL THICKNESS DOES NOT INCLUDE SAW BURR.
- 3.0 STEP CUT TYPE.

EXPOSED PAD VARIATIONS

PKG. CODES	D2			E2		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
G4877Y+1	4.95	5.1	5.25	4.95	5.1	5.25
G4877Y+3	5.35	5.5	5.65	5.35	5.5	5.65



TITLE:
PACKAGE OUTLINE, 48L 7x7x0.85mm
SIDE WETTABLE QFN PKG.

APPROVAL

DOCUMENT CONTROL NO.
21-0585

REV.
F

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-DRAWING NOT TO SCALE-