



-DRAWING NOT TO SCALE-



TITLE:  
PACKAGE OUTLINE, 48L 7x7x0.85mm  
QFN PKG. WITH DIMPLE LEADS

APPROVAL

DOCUMENT CONTROL NO.  
21-0585

REV. D 1/2

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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