



-DRAWING NOT TO SCALE-

TITLE: PACKAGE OUTLINE, 32, 44, 48, 56L THIN QFN, 7x7x0.75mm			
APPROVAL	DOCUMENT CONTROL NO. 21-0144	REV. 1	1/2

COMMON DIMENSIONS															
PKG	32L 7x7			44L 7x7			48L 7x7			CUSTOM PKG. (T4877-1) 48L 7x7			56L 7x7		
SYMBOL	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	0.70	0.75	0.80	0.70	0.75	0.80	0.70	0.75	0.80	0.70	0.75	0.80	0.70	0.75	0.80
A1	0	0.02	0.05	0	0.02	0.05	0	0.02	0.05	0	0.02	0.05	0	-	0.05
A2	0.20 REF.			0.20 REF.			0.20 REF.			0.20 REF.			0.20 REF.		
b	0.25	0.30	0.35	0.20	0.25	0.30	0.20	0.25	0.30	0.20	0.25	0.30	0.15	0.20	0.25
D	6.90	7.00	7.10	6.90	7.00	7.10	6.90	7.00	7.10	6.90	7.00	7.10	6.90	7.00	7.10
E	6.90	7.00	7.10	6.90	7.00	7.10	6.90	7.00	7.10	6.90	7.00	7.10	6.90	7.00	7.10
e	0.65 BSC.			0.50 BSC.			0.50 BSC.			0.50 BSC.			0.40 BSC.		
k	0.25	-	-	0.25	-	-	0.25	-	-	0.25	-	-	0.25	-	-
L	0.45	0.55	0.65	0.45	0.55	0.65	0.30	0.40	0.50	0.45	0.55	0.65	0.30	0.40	0.50
N	32			44			48			44			56		
ND	8			11			12			10			14		
NE	8			11			12			12			14		

EXPOSED PAD VARIATIONS								
PKG. CODES	DEPOPULATED LEADS	D2			E2			JEDEC MO220 REV. C
		MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	
T3277-2	-	4.55	4.70	4.85	4.55	4.70	4.85	-
T3277-3	-	4.55	4.70	4.85	4.55	4.70	4.85	-
T4477-2	-	4.55	4.70	4.85	4.55	4.70	4.85	WKKD-1
T4477-3	-	4.55	4.70	4.85	4.55	4.70	4.85	WKKD-1
T4877-3	-	4.95	5.10	5.25	4.95	5.10	5.25	-
T4877-4	-	5.40	5.50	5.60	5.40	5.50	5.60	-
T4877-6	-	5.40	5.50	5.60	5.40	5.50	5.60	-
T4877-7	-	4.95	5.10	5.25	4.95	5.10	5.25	-
T4877M-1	-	5.40	5.50	5.60	5.40	5.50	5.60	-
T4877M-6	-	5.40	5.50	5.60	5.40	5.50	5.60	-
T4877MN-8	-	5.40	5.50	5.60	5.40	5.50	5.60	-
T4877N-8	-	5.40	5.50	5.60	5.40	5.50	5.60	-
T5677-1	-	5.40	5.50	5.60	5.40	5.50	5.60	-
T5677MN-1	-	5.40	5.50	5.60	5.40	5.50	5.60	-
T5677-2	-	5.40	5.50	5.60	5.40	5.50	5.60	-

NOTES:

1. DIMENSIONING & TOLERANCING CONFORM TO ASME Y14.5M-1994.
2. ALL DIMENSIONS ARE IN MILLIMETERS. ANGLES ARE IN DEGREES.
3. N IS THE TOTAL NUMBER OF TERMINALS.
4. THE TERMINAL #1 IDENTIFIER AND TERMINAL NUMBERING CONVENTION SHALL CONFORM TO JESD 95-1 SPP-012. DETAILS OF TERMINAL #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE TERMINAL #1 IDENTIFIER MAY BE EITHER A MOLD OR MARKED FEATURE.
5. DIMENSION b APPLIES TO METALLIZED TERMINAL AND IS MEASURED BETWEEN 0.25 mm AND 0.30 mm FROM TERMINAL TIP.
6. ND AND NE REFER TO THE NUMBER OF TERMINALS ON EACH D AND E SIDE RESPECTIVELY.
7. DEPOPULATION IS POSSIBLE IN A SYMMETRICAL FASHION.
8. COPLANARITY APPLIES TO THE EXPOSED HEAT SINK SLUG AS WELL AS THE TERMINALS.
9. DRAWING CONFORMS TO JEDEC MO220 EXCEPT THE EXPOSED PAD DIMENSIONS OF T4877-3/-4/-6 & T5677-1.
10. WARPAGE SHALL NOT EXCEED 0.10 mm.
11. MARKING IS FOR PACKAGE ORIENTATION REFERENCE ONLY.
12. NUMBER OF LEADS SHOWN ARE FOR REFERENCE ONLY.
13. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbFREE (+) PKG. CODES.

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APPROVAL	DOCUMENT CONTROL NO.	REV.	2/2
	21-0144	1	

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