



 maxim integrated™

TITLE:  
PACKAGE OUTLINE, 16,20,28,32,40L  
THIN QFN, 5x5x0.75mm

APPROVAL	DOCUMENT CONTROL NO. 21-0140	REV. T	1/3
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-DRAWING NOT TO SCALE-

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COMMON DIMENSIONS															
PKG.	16L 5x5			20L 5x5			28L 5x5			32L 5x5			40L 5x5		
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	0.02	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	0.25	0.30	0.35	0.20	0.25	0.30	0.20	0.25	0.30	0.15	0.20	0.25
D	4.90	5.00	5.10	4.90	5.00	5.10	4.90	5.00	5.10	4.90	5.00	5.10	4.90	5.00	5.10
E	4.90	5.00	5.10	4.90	5.00	5.10	4.90	5.00	5.10	4.90	5.00	5.10	4.90	5.00	5.10
e	0.80 BSC.			0.65 BSC.			0.50 BSC.			0.50 BSC.			0.40 BSC.		
k	0.25	-	-	0.25	-	-	0.25	-	-	0.25	-	-	0.25	-	-
L	0.30	0.40	0.50	0.45	0.55	0.65	0.45	0.55	0.65	0.30	0.40	0.50	0.30	0.40	0.50
N	16			20			28			32			40		
ND	4			5			7			8			10		
NE	4			5			7			8			10		
JEDEC	WHHB			WHHC			WHHD-1			WHHD-2			-----		

CORNER LEAD CHAMFER VARIATION		
PKG. CODES	C	L4
T3255-3	0.120 X 45° REF	0.31 REF
T3255-4	0.120 X 45° REF	0.31 REF
T3255-5	0.120 X 45° REF	0.31 REF
T3255M-4	0.120 X 45° REF	0.31 REF
T3255M-5	0.120 X 45° REF	0.31 REF
T3255MK-1	0.120 X 45° REF	0.31 REF
T3255N-1	0.120 X 45° REF	0.31 REF
T4055-1	0.160 X 45° REF	0.28 REF
T4055-1C	0.160 X 45° REF	0.28 REF
T4055-2	0.160 X 45° REF	0.28 REF
T4055MN-1	0.160 X 45° REF	0.28 REF
T4055N-1	0.160 X 45° REF	0.28 REF

DIMENSION VARIATION							
PKG. CODES	D2			E2			L
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	
T1655-2	3.00	3.10	3.20	3.00	3.10	3.20	--
T1655-3	3.00	3.10	3.20	3.00	3.10	3.20	--
T1655-4	2.19	2.29	2.39	2.19	2.29	2.39	--
T1655N-1	3.00	3.10	3.20	3.00	3.10	3.20	--
T2055-3	3.00	3.10	3.20	3.00	3.10	3.20	--
T2055M-3	3.00	3.10	3.20	3.00	3.10	3.20	--
T2055-4	3.00	3.10	3.20	3.00	3.10	3.20	--
T2055-5	3.15	3.25	3.35	3.15	3.25	3.35	0.40
T2055MN-5	3.15	3.25	3.35	3.15	3.25	3.35	0.40
T2855-3	3.15	3.25	3.35	3.15	3.25	3.35	--
T2855-4	2.60	2.70	2.80	2.60	2.70	2.80	--
T2855-5	2.60	2.70	2.80	2.60	2.70	2.80	--
T2855M-5	2.60	2.70	2.80	2.60	2.70	2.80	--
T2855-6	3.15	3.25	3.35	3.15	3.25	3.35	--
T2855-7	2.60	2.70	2.80	2.60	2.70	2.80	--
T2855-8	3.15	3.25	3.35	3.15	3.25	3.35	0.40
T2855MK-8	3.15	3.25	3.35	3.15	3.25	3.35	0.40
T2855N-1	3.15	3.25	3.35	3.15	3.25	3.35	--
T3255-3	3.00	3.10	3.20	3.00	3.10	3.20	--
T3255-4	3.00	3.10	3.20	3.00	3.10	3.20	--
T3255M-4	3.00	3.10	3.20	3.00	3.10	3.20	--
T3255-5	3.00	3.10	3.20	3.00	3.10	3.20	--
T3255M-5	3.00	3.10	3.20	3.00	3.10	3.20	--
T3255N-1	3.00	3.10	3.20	3.00	3.10	3.20	--
T4055-1	3.40	3.50	3.60	3.40	3.50	3.60	--
T4055-1C	3.40	3.50	3.60	3.40	3.50	3.60	--
T4055-2	3.40	3.50	3.60	3.40	3.50	3.60	--
T4055N-1	3.40	3.50	3.60	3.40	3.50	3.60	--
T4055MN-1	3.40	3.50	3.60	3.40	3.50	3.60	--



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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 EXPOSED PAD DIMENSION FOR T2855-3, T2855-6, T4055-1 AND T4055-2.
10. WARPAGE SHALL NOT EXCEED 0.10 mm.
11. MARKING IS FOR PACKAGE ORIENTATION REFERENCE ONLY.
12. REFER TO DIMENSION VARIATION TABLE FOR LEAD LENGTH VARIATION
13. APPLICABLE ONLY FOR PACKAGES WITH TIGHT CORNER LEADS METAL TO METAL CLEARANCE.
14. NUMBER OF LEADS SHOWN ARE FOR REFERENCE ONLY.
15. LEAD CENTERLINES TO BE AT TRUE POSITION AS DEFINED BY BASIC DIMENSION "e",  $\pm 0.05$ .
16. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbFREE (+) PKG. CODES.



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