



—DRAWING NOT TO SCALE—



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

APPROVAL

DOCUMENT CONTROL NO.
21-0140

REV.
Y

1/3

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 |
| T3255-4C | 0.120 X 45° REF | 0.31 REF |
| T3255-5 | 0.120 X 45° REF | 0.31 REF |
| T3255-5C | 0.120 X 45° REF | 0.31 REF |
| T3255-7 | 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 |
| T4055-2C | 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. | |
| 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 | -- |
| T4055-2C | 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 | -- |

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 | -- |
| T2055-4C | 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 |
| T2055-5C | 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 | -- |
| T2855-3C | 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 | -- |
| T3255-4C | 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 | -- |
| T3255-5C | 3.00 | 3.10 | 3.20 | 3.00 | 3.10 | 3.20 | -- |
| T3255-7 | 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 | -- |

maxim
integrated™

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

APPROVAL

DOCUMENT CONTROL NO.

21-0140

REV.

Y

2/3

-DRAWING NOT TO SCALE-

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", ± 0.05 .
16. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbFREE (+) PKG. CODES.

-DRAWING NOT TO SCALE-



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

| | | | |
|----------|---------------------------------|-----------|-----|
| APPROVAL | DOCUMENT CONTROL NO. 21-0140 | REV. Y | 3/3 |
|----------|---------------------------------|-----------|-----|