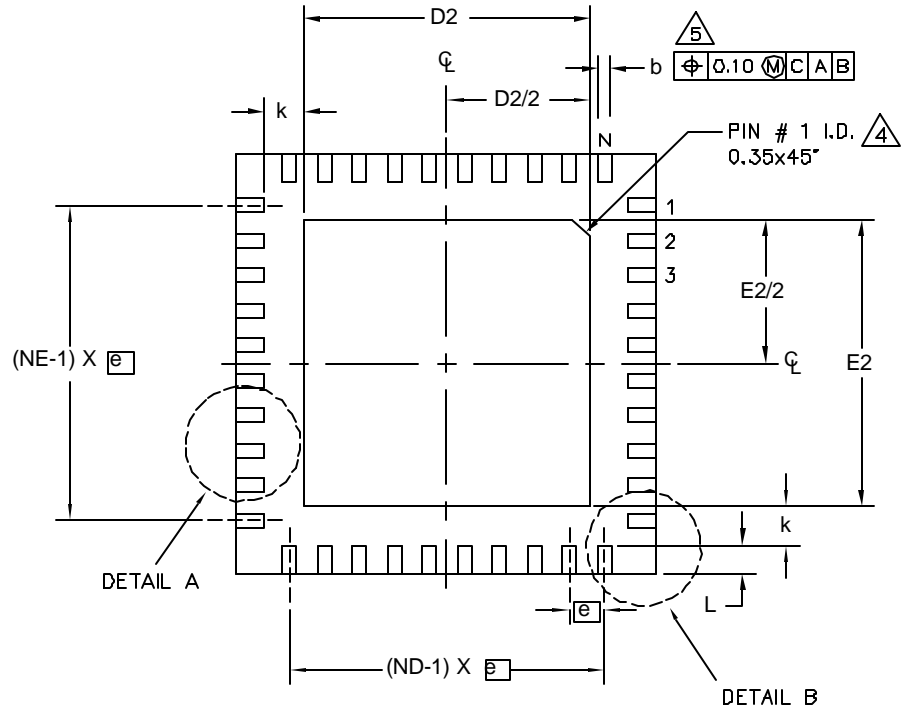
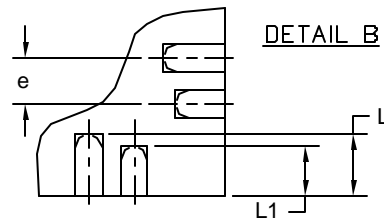


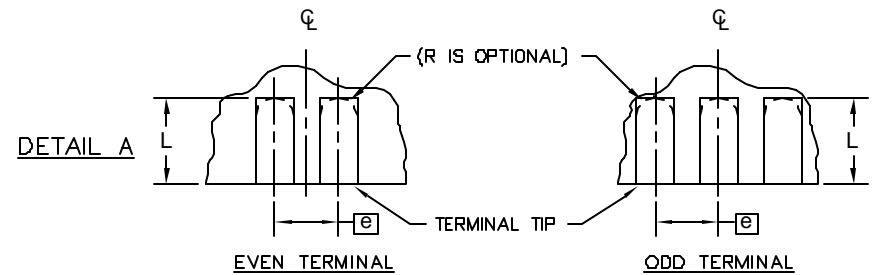
TOP VIEW



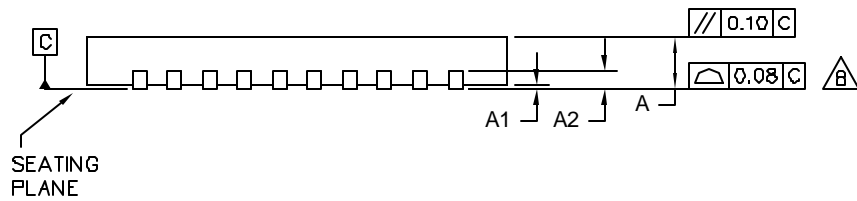
BOTTOM VIEW



PKG. CORNERS ONLY (4x)
 APPLICABLE TO .4mm PITCH PKG. ONLY



SIDE VIEW



| | | | |
|---------------------------------|----------------------|------|-----|
| PROPRIETARY INFORMATION | | | |
| TITLE: PACKAGE OUTLINE | | | |
| 36, 40, 48L THIN QFN, 6x6x0.8mm | | | |
| APPROVAL | DOCUMENT CONTROL NO. | REV. | 1/2 |
| | 21-0141 | E | |

| COMMON DIMENSIONS | | | | | | | | | |
|-------------------|-----------|------|------|-----------|------|------|-----------|------|------|
| PKG. | 36L 6x6 | | | 40L 6x6 | | | 48L 6x6 | | |
| SYMBOL | 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 |
| A1 | 0 | 0.02 | 0.05 | 0 | 0.02 | 0.05 | 0 | - | 0.05 |
| A2 | 0.20 REF. | | | 0.20 REF. | | | 0.20 REF. | | |
| b | 0.20 | 0.25 | 0.30 | 0.20 | 0.25 | 0.30 | 0.15 | 0.20 | 0.25 |
| D | 5.90 | 6.00 | 6.10 | 5.90 | 6.00 | 6.10 | 5.90 | 6.00 | 6.10 |
| E | 5.90 | 6.00 | 6.10 | 5.90 | 6.00 | 6.10 | 5.90 | 6.00 | 6.10 |
| e | 0.50 BSC. | | | 0.50 BSC. | | | 0.40 BSC. | | |
| k | 0.25 | - | - | 0.25 | - | - | 0.25 | 0.35 | 0.45 |
| L | 0.45 | 0.55 | 0.65 | 0.30 | 0.40 | 0.50 | 0.40 | 0.50 | 0.60 |
| L1 | - | - | - | - | - | - | 0.30 | 0.40 | 0.50 |
| N | 36 | | | 40 | | | 48 | | |
| ND | 9 | | | 10 | | | 12 | | |
| NE | 9 | | | 10 | | | 12 | | |
| JEDEC | WJJD-1 | | | WJJD-2 | | | - | | |

| EXPOSED PAD VARIATIONS | | | | | | | DOWN BONDS ALLOWED |
|------------------------|------|------|------|------|------|------|--------------------|
| PKG. CODES | D2 | | | E2 | | | |
| | MIN. | NOM. | MAX. | MIN. | NOM. | MAX. | |
| T3666-1 | 3.60 | 3.70 | 3.80 | 3.60 | 3.70 | 3.80 | NO |
| T3666-2 | 3.60 | 3.70 | 3.80 | 3.60 | 3.70 | 3.80 | YES |
| T3666-3 | 3.60 | 3.70 | 3.80 | 3.60 | 3.70 | 3.80 | NO |
| T4066-1 | 4.00 | 4.10 | 4.20 | 4.00 | 4.10 | 4.20 | NO |
| T4066-2 | 4.00 | 4.10 | 4.20 | 4.00 | 4.10 | 4.20 | YES |
| T4066-3 | 4.00 | 4.10 | 4.20 | 4.00 | 4.10 | 4.20 | YES |
| T4066-4 | 4.00 | 4.10 | 4.20 | 4.00 | 4.10 | 4.20 | NO |
| T4066-5 | 4.00 | 4.10 | 4.20 | 4.00 | 4.10 | 4.20 | NO |
| T4866-1 | 4.20 | 4.30 | 4.40 | 4.20 | 4.30 | 4.40 | YES |

NOTES:

- DIMENSIONING & TOLERANCING CONFORM TO ASME Y14.5M-1994.
- ALL DIMENSIONS ARE IN MILLIMETERS. ANGLES ARE IN DEGREES.
- N IS THE TOTAL NUMBER OF TERMINALS.
- 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.
- DIMENSION b APPLIES TO METALLIZED TERMINAL AND IS MEASURED BETWEEN 0.25 mm AND 0.30 mm FROM TERMINAL TIP.
- ND AND NE REFER TO THE NUMBER OF TERMINALS ON EACH D AND E SIDE RESPECTIVELY.
- DEPOPULATION IS POSSIBLE IN A SYMMETRICAL FASHION.
- COPLANARITY APPLIES TO THE EXPOSED HEAT SINK SLUG AS WELL AS THE TERMINALS.
- DRAWING CONFORMS TO JEDEC MO220, EXCEPT FOR 0.4mm LEAD PITCH PACKAGE T4866-1.
- WARPAGE SHALL NOT EXCEED 0.10 mm.

| | |
|---|---------------------------------|
|   | |
| PROPRIETARY INFORMATION | |
| TITLE: PACKAGE OUTLINE 36, 40, 48L THIN QFN, 6x6x0.8mm | |
| APPROVAL | DOCUMENT CONTROL NO. 21-0141 |
| REV. E | 2/2 |