



-DRAWING NOT TO SCALE-



TITLE:
PACKAGE OUTLINE,
20L TQFN 4X5X0.75 MM

APPROVAL

DOCUMENT CONTROL NO.

REV.

21-0726

A

1/2

| SYMBOL | COMMON DIMENSIONS | | | NOTE |
|--------|-------------------|------|------|------|
| | MIN. | NOM. | MAX. | |
| A | 0.70 | 0.75 | 0.80 | |
| A1 | 0.00 | 0.02 | 0.05 | |
| A3 | 0.20 REF. | | | |
| ⊖ | 0 | — | 12 | 2 |
| K | 0.20 REF. | | | |
| D | 4.0 BSC | | | |
| E | 5.0 BSC | | | |
| e | 0.50 BSC. | | | |
| N | 20 | | | 3 |
| ND | 6 | | | ④ |
| NE | 4 | | | ④ |
| L | 0.35 | 0.40 | 0.45 | |
| b | 0.18 | 0.25 | 0.30 | ④ |
| D2 | 2.55 | 2.65 | 2.75 | |
| E2 | 3.55 | 3.65 | 3.75 | |

| EXPOSED PAD VARIATIONS | | | | | | |
|------------------------|------|------|------|------|------|------|
| PKG. CODE | D2 | | | E2 | | |
| | MIN. | NOM. | MAX. | MIN. | NOM. | MAX. |
| T2045-1 | 2.55 | 2.65 | 2.75 | 3.55 | 3.65 | 3.75 |

NOTES :

1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M. – 1994.

2. ALL DIMENSIONS ARE IN MILLIMETERS, 0 IS IN DEGREES.

3. N IS THE TOTAL NUMBER OF TERMINALS.

④ DIMENSION b APPLIES TO METALLIZED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.30mm FROM TERMINAL TIP. IF THE TERMINAL HAS THE OPTIONAL RADIUS ON THE OTHER END OF THE TERMINAL, THE DIMENSION b SHOULD NOT BE MEASURED IN THAT RADIUS AREA.

④ ND AND NE REFER TO THE NUMBER OF TERMINALS ON EACH D AND E SIDE RESPECTIVELY.

6. MAX. PACKAGE WARPAGE IS 0.05 mm.

7. MAXIMUM ALLOWABLE BURRS IS 0.076 mm IN ALL DIRECTIONS.

⑧ PIN #1 ID ON TOP WILL BE LASER MARKED.

⑨ BILATERAL COPLANARITY ZONE APPLIES TO THE EXPOSED HEAT SINK SLUG AS WELL AS THE TERMINALS.

⑩ MARKING SHOWN IS FOR PACKAGE ORIENTATION REFERENCE ONLY.

11. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbFREE (+) PARTS.



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