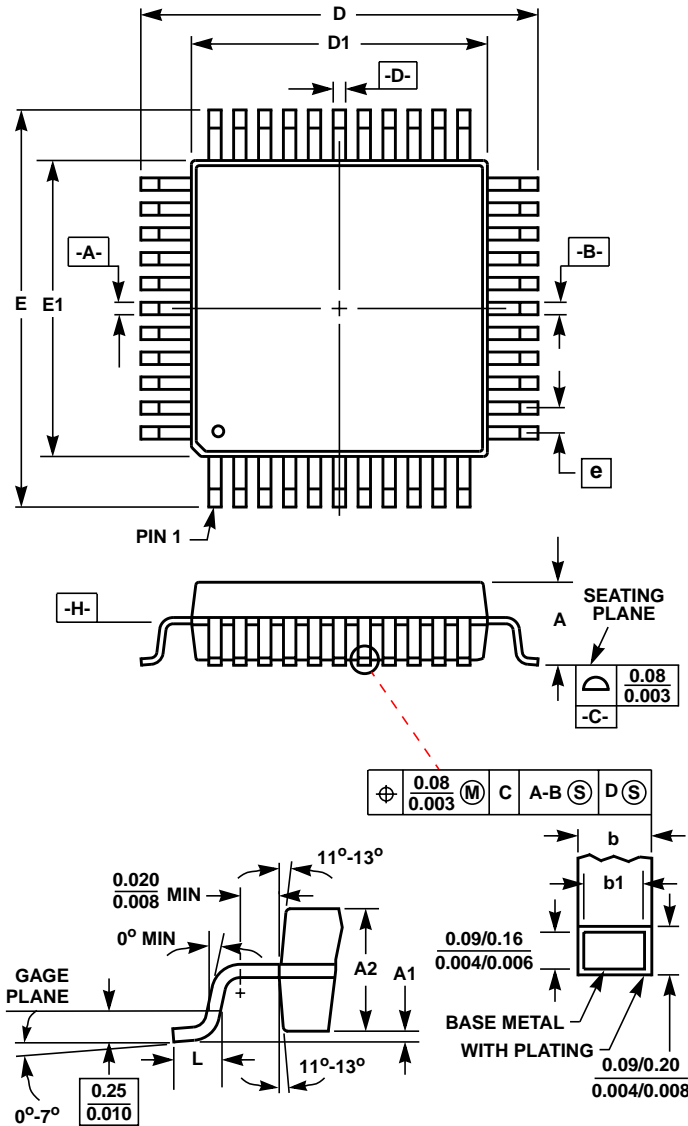


Thin Plastic Quad Flatpack Packages (TQFP)



**Q64.10x10 (JEDEC MS-026ACD ISSUE B)**  
**64 LEAD THIN PLASTIC QUAD FLATPACK PACKAGE**

| SYMBOL | INCHES    |       | MILLIMETERS |       | NOTES |
|--------|-----------|-------|-------------|-------|-------|
|        | MIN       | MAX   | MIN         | MAX   |       |
| A      | -         | 0.047 | -           | 1.20  | -     |
| A1     | 0.002     | 0.005 | 0.05        | 0.15  | -     |
| A2     | 0.038     | 0.041 | 0.95        | 1.05  | -     |
| b      | 0.007     | 0.010 | 0.17        | 0.27  | 6     |
| b1     | 0.007     | 0.009 | 0.17        | 0.23  | -     |
| D      | 0.468     | 0.476 | 11.90       | 12.10 | 3     |
| D1     | 0.390     | 0.397 | 9.9         | 10.10 | 4, 5  |
| E      | 0.468     | 0.476 | 11.9        | 12.10 | 3     |
| E1     | 0.390     | 0.397 | 9.9         | 10.10 | 4, 5  |
| L      | 0.018     | 0.029 | 0.45        | 0.75  | -     |
| N      | 64        |       | 64          |       | 7     |
| e      | 0.020 BSC |       | 0.50 BSC    |       | -     |

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NOTES:

1. Controlling dimension: MILLIMETER. Converted inch dimensions are not necessarily exact.
2. All dimensions and tolerances per ANSI Y14.5M-1982.
3. Dimensions D and E to be determined at seating plane  $\boxed{-C-}$ .
4. Dimensions D1 and E1 to be determined at datum plane  $\boxed{-H-}$ .
5. Dimensions D1 and E1 do not include mold protrusion. Allowable protrusion is 0.25mm (0.010 inch) per side.
6. Dimension b does not include dambar protrusion. Allowable dambar protrusion shall not cause the lead width to exceed the maximum b dimension by more than 0.08mm (0.003 inch).
7. "N" is the number of terminal positions.