2.5 Mechanical Considerations

2.5.1 Form Factor

The board is designed to fit into a custom chassis. Figure 21 illustrates the mechanical form factor for the board. Dimensions are given in inches [millimeters]. The outer dimensions are 4.0 inches by 4.0 inches [101.60 millimeters by 101.60 millimeters].

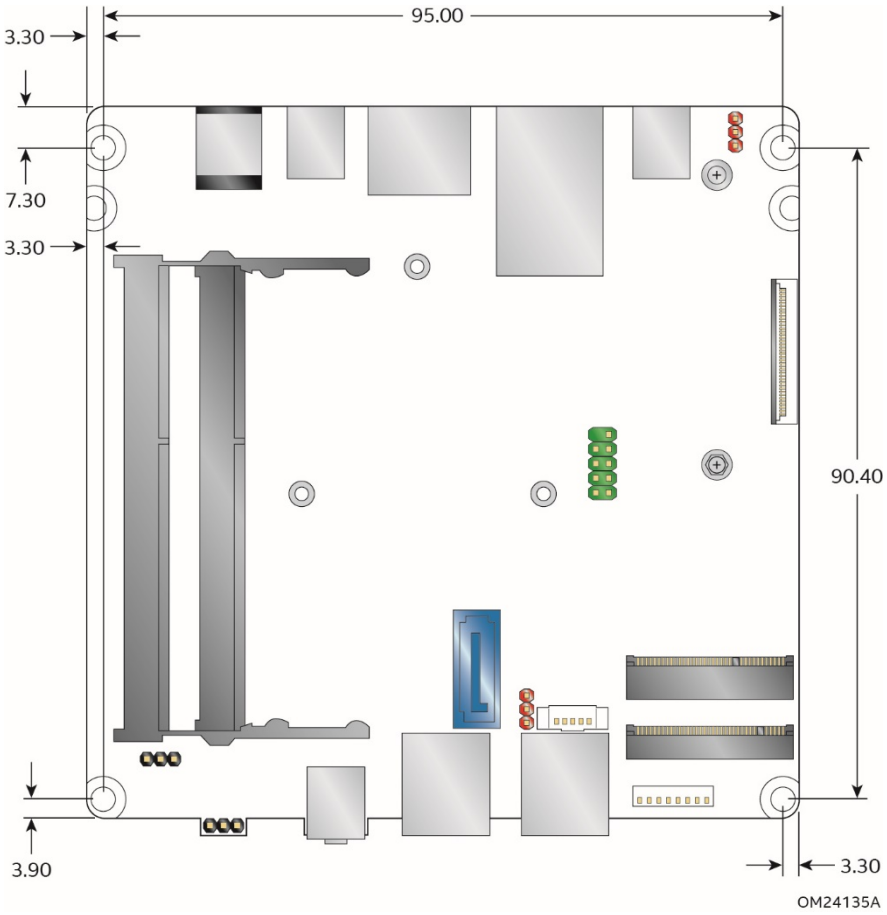

Figure 21. Board Dimensions

Figure 22 shows the height dimensions of the board.

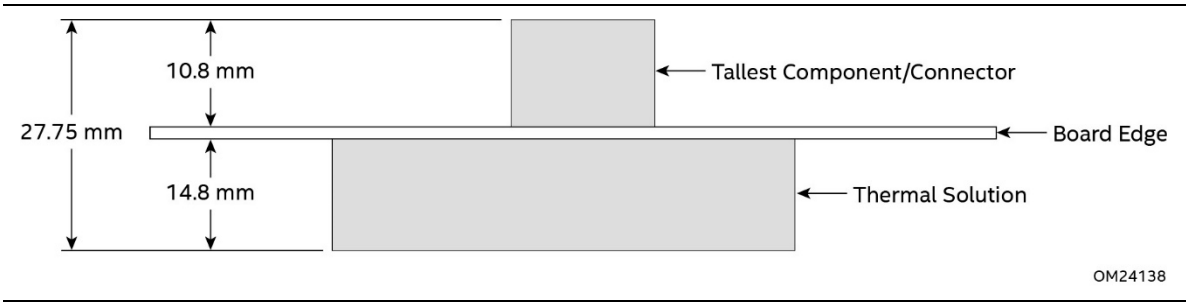

Figure 22. Board Height Dimensions

2.6 Electrical Considerations

2.6.1 Power Supply Considerations

System power requirements will depend on actual system configurations chosen by the integrator, as well as end user expansion preferences. It is the system integrator's responsibility to ensure an appropriate power budget for the system configuration is properly assessed based on the system-level components chosen. See Section 2.2.4.3 Power Supply Connector for more information.

- The back panel input range is 12-19 V DC
- The internal power connector input range is 12-24 V DC

CAUTION

The external 12-19 V DC jack is the primary power input connector of Intel NUC Board NUC5i5MYBE. However, the board also provides an internal 2 x 2 power connector that can be used in custom-developed systems that have an internal power supply. The internal 2 x 2 power connector is a Molex Micro-Fit (3mm pitch), right-angled, 4-pos/dual row connector.

There is no isolation circuitry between the external 12-19 V DC jack and the internal 2 x 2 power connector. It is the system integrator's responsibility to ensure no more than one power supply unit is or can be attached to the board at any time and to ensure the external 12-19 V DC jack is covered if the internal 2 x 2 power connector is to be used. Simultaneous connection of both external and internal power supply units could result in potential damage to the board, power supplies, or other hardware.