

Answer 2: Relation Ship between Design Styles and Timing Performance:

Full-Custom Design: In this Design Style, layout elements are handcrafted, and placement and routing are both done manually by expert Layout Designers.

Although time-consuming and difficult, this approach gives human designers full control of the sizing, placement and routing of all circuit elements, thereby allowing the incorporation of human intelligence and intuition into the design. This Layout Style generally provides the finest timing performance for circuits, and is used in environments where there is usually no well-defined constraint on required performance (therefore

