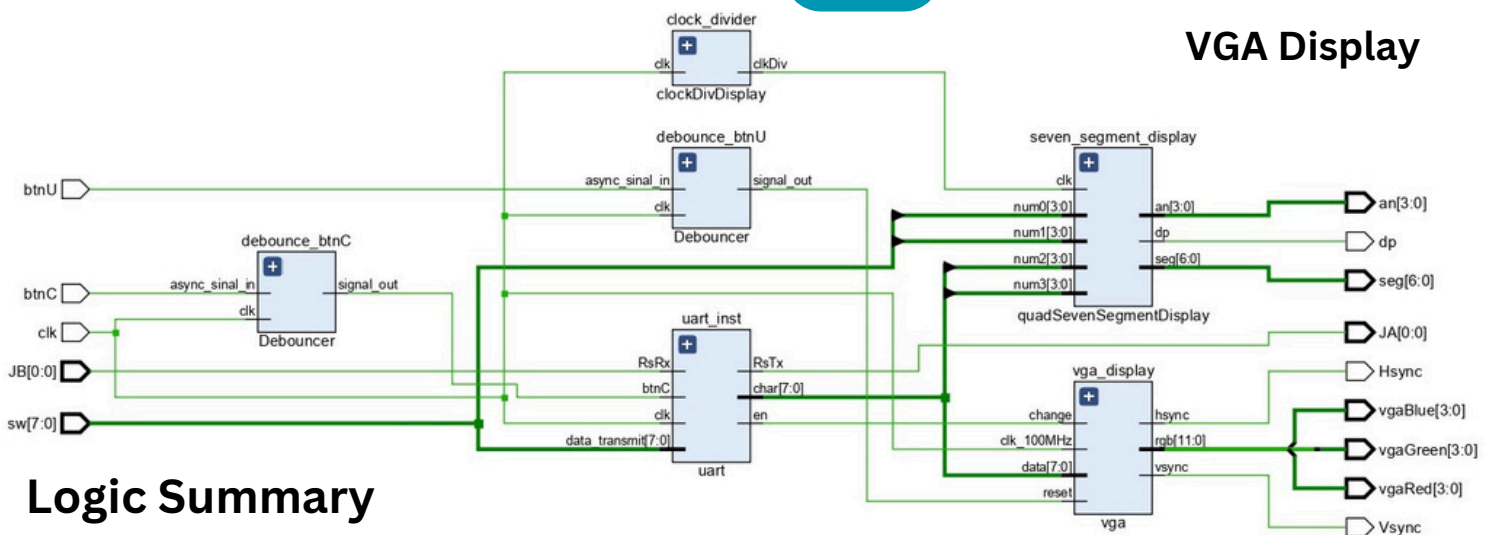
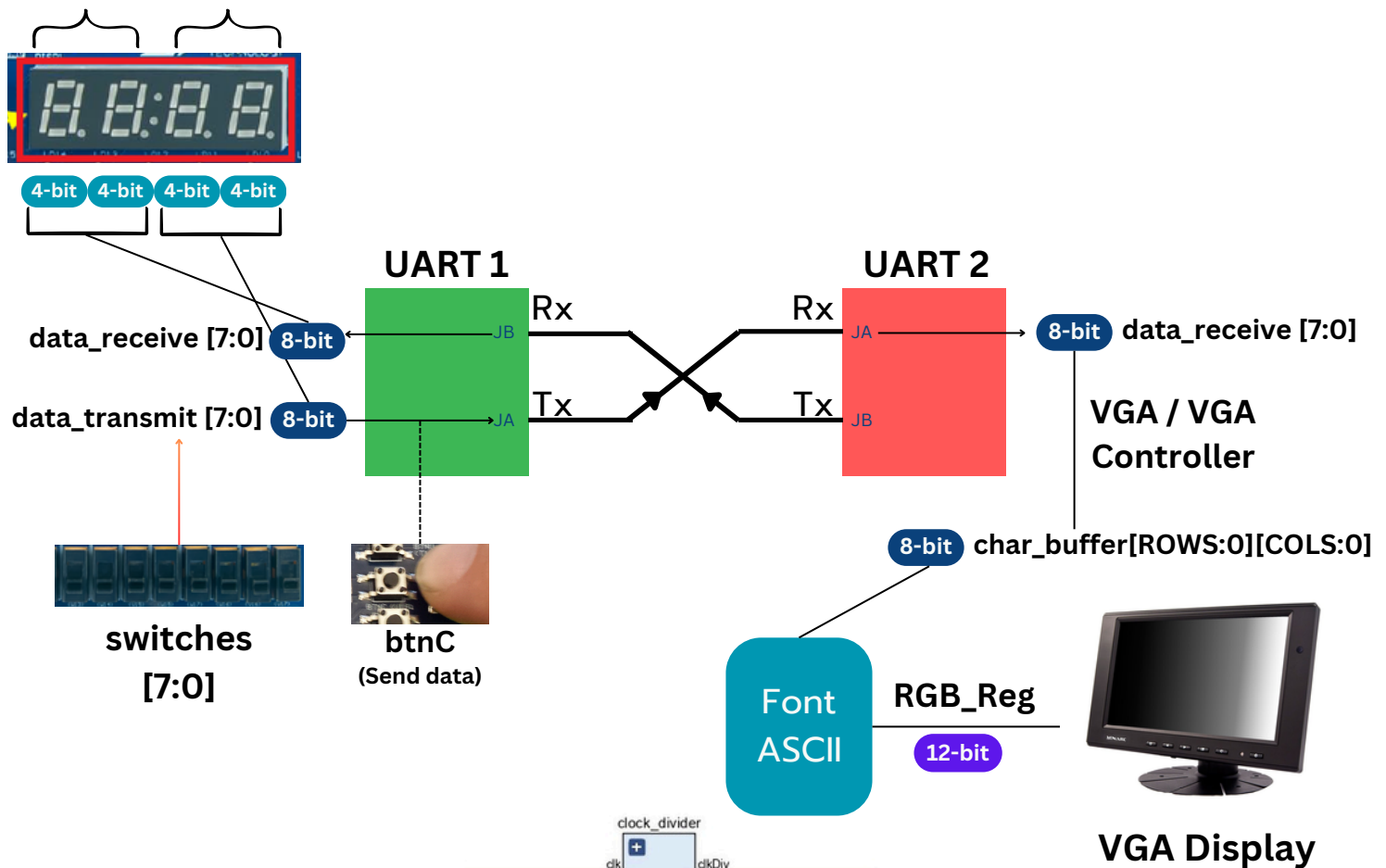


data_receive data_transmit



Logic Summary

Input Handling

- 8-bit Switches: Read switch value as ASCII.
- btnC: Send data signal

UART Communication

- Sender: Transmit selected ASCII from switches when press btnC
- Receiver: Receive ASCII via UART, store in buffer to send to display

VGA Display

- Text Rendering: Use a ROM to map ASCII to pixels. Render characters on a grid, managing rows and columns.
- Screen Update: Use a VGA controller to update the display from the character buffer.

Members

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