

FULL ADDER:

Components Required:

VSDSquadron Mini

Push Buttons for Input of binary data

2 LEDs for displaying the Output

Breadboard

Jumper Wires

VS Code for Software Development

PlatformIO multi framework professional IDE

Hardware Connections:

Input: Three input of single bit are connected to the GPIO pins of VSDSquadron Mini via push buttons mounted on the breadboard.

Outputs: Two LEDs are connected to display the result of Full Adder

The GPIO pins are configured according to the Reference Manual, ensuring the correct flow of signals between the components