7-Segment Display using Flysky Transmitter

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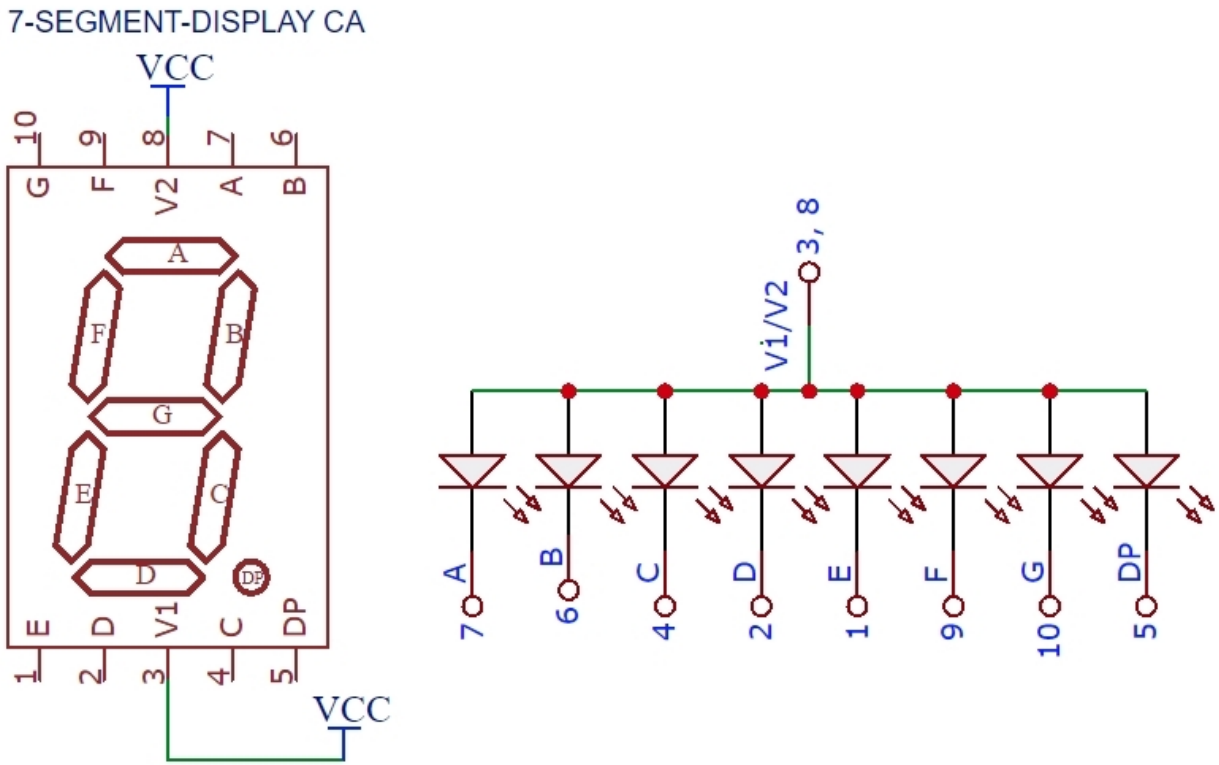
Components

1. Flysky Receiver and Transmitter
2. ESP32
3. 7 Segment Display

Pinout Diagram of 7-Segment Display



Wiring Diagram: Flysky-Rx and ESP32

Flysky-Rx pin	**ESP32 pin**
Channel 2	Pin-14
Channel 4	Pin-15
GND	GND
Vin	5v

Wiring Diagram: 7-Segment Display and ESP32

7-Segment pin	ESP32 pin
Pin 1	P-19
Pin 2	P-17
Pin 4	P-18
Pin 6	P-18
Pin 7	P-16
Pin 8	3.3V
Pin 9	P-19

Wiring Diagram: Flysky-Rx and Arduino

Flysky-Rx pin	**Arduino pin**
Channel 2	Pin-10
Channel 4	Pin-11
GND	GND
Vin	5v

Wiring Diagram: 7-Segment Display and Arduino

7-Segment pin	Arduino pin
Pin 1	P-2
Pin 2	P-3
Pin 4	P-4
Pin 6	P-4
Pin 7	P-5
Pin 8	3.3V
Pin 9	P-2

Binding Tx. and Rx.

- Check the reference number of the receiver and transmitter. If they are same, then no need of binding.
- If the reference numbers are not same then binding of Rx and Tx is needed.

Binding Tx. and Rx.

Figure: Flysky Receiver

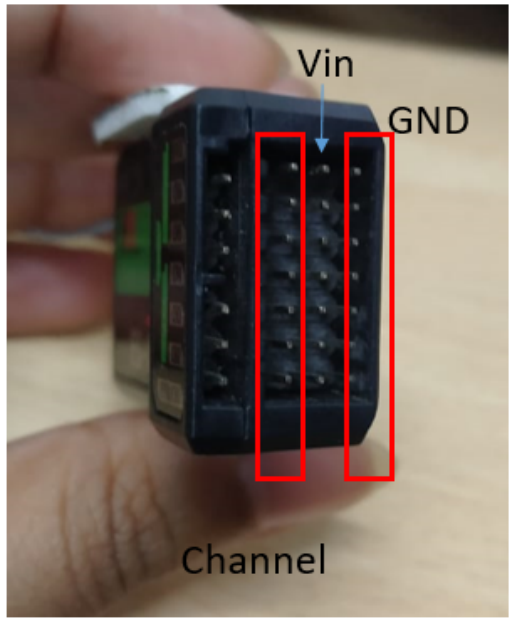


Figure: Flysky Receiver

Binding Tx. and Rx.

- Short the GND and CHANNEL pin of B/VCC of the receiver.
- Connect Vin pin with 5V pin of ESP32 and GND pin to GND pin of ESP32.
- Press the bind key of the transmitter.

Code

- Flash the code from arduino IDE to ESP32.
  `https://github.com/JayatiD93/7SegmentDisplay_ESP32/blob/main/flysky_7Segment.ino`