



```

This is how you display on the matrix:
loop {
  - Send values for bank 1 to LED controller (intensity of each channel)
  - Assert the bank 1 FET control line, deassert all other banks
  - Pause to let LEDs persist
  - Deassert bank 1 FET
}

```

The diagrams show four banks of 12 RGB LEDs, each connected to a 3V3 power supply through a 22uF capacitor and a 30R resistor. The LEDs are connected to the microcontroller pins through a multiplexer. The legend on the right lists the LED connections for each bank:

- R1 - LED1
- R2 - LED4
- R3 - LED7
- R4 - LED10
- R5 - LED13
- R6 - LED16
- R7 - LED19
- R8 - LED22
- R9 - LED25
- R10 - LED28
- R11 - LED31
- R12 - LED34

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