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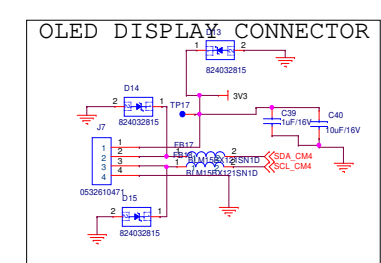
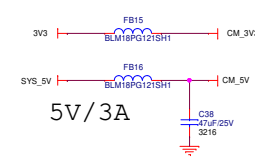
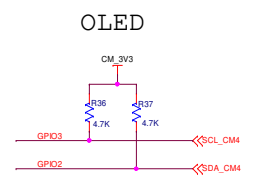
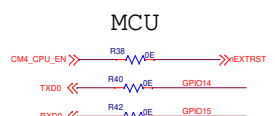
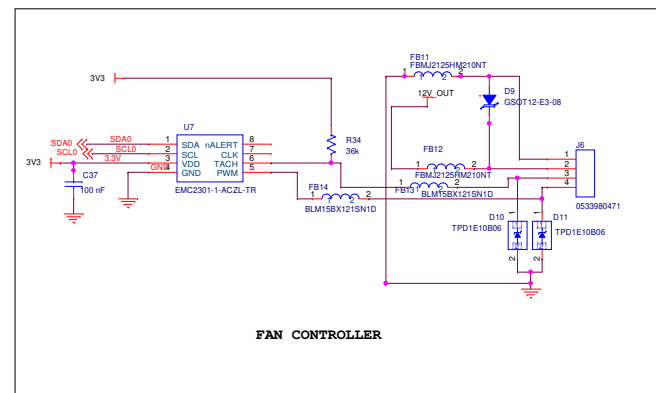
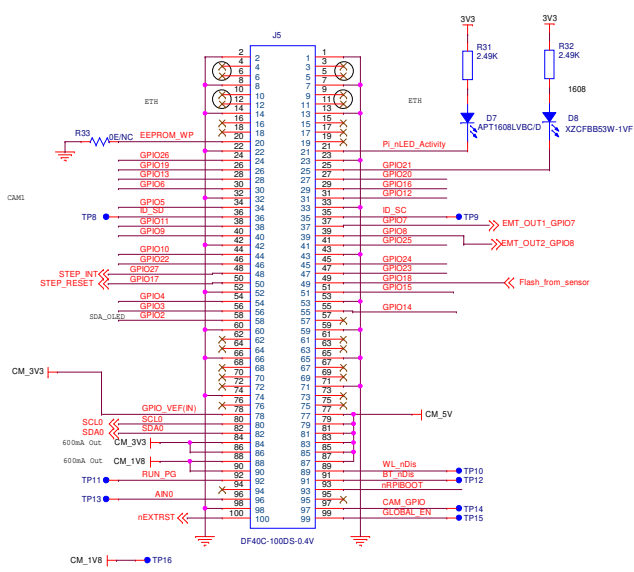
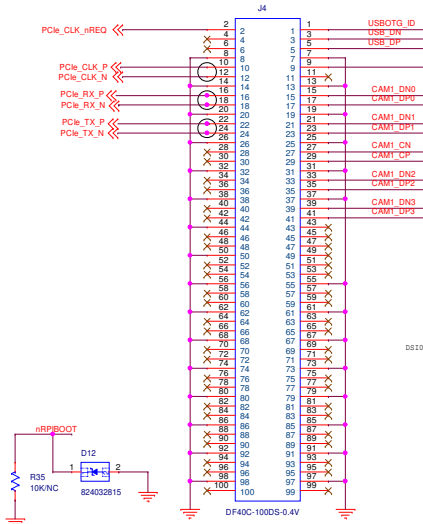
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STM32 PROG

The diagram illustrates the STM32 programming circuit. It features a J3 connector with pins 1 through 6. Pins 1 and 2 are connected to a D5 component (824032815). Pins 3, 4, 5, and 6 are connected to a D6 component (824032815). A D4 component (824032815) is connected to the MCU_V3V3 pin. Test points TP1, TP2, TP3, and TP4 are marked. TP2 is connected to SWDIO and SWCLK. TP3 is connected to MCU_RST. The diagram also shows a 20K 0603 resistor connected to TP1 and TP4.

The diagram shows the internal wiring of the SW12012-1 LED indicator board. A J2 connector on the left has pins 1-6. Pin 1 is connected to the MCU_V3V3 input. Pin 2 is connected to the BLUE_LED. Pin 3 is connected to the RED_LED. Pin 4 is connected to the GREEN_LED. Pin 5 is connected to the SW1 input. Pin 6 is connected to the MCU_V3V3 input. The board contains three inductors (FB6, FB7, FB8) and three capacitors (BLM15BX121SN1D). A central IC, U6 (TPD4E1B06DRLR), is connected to the LEDs and the MCU_V3V3. The board is labeled 2023960607.

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LAYOUT

1.Route MIPI signals as matched length 100 Ohm differential pairs, each signal within a pair should ideally be matched to better than 0.15mm.

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