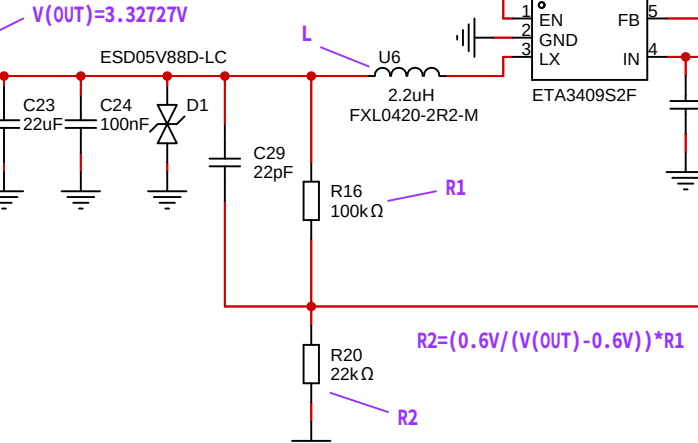
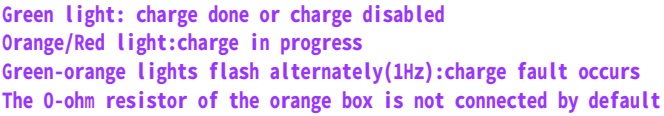
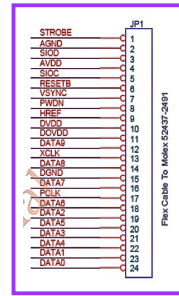
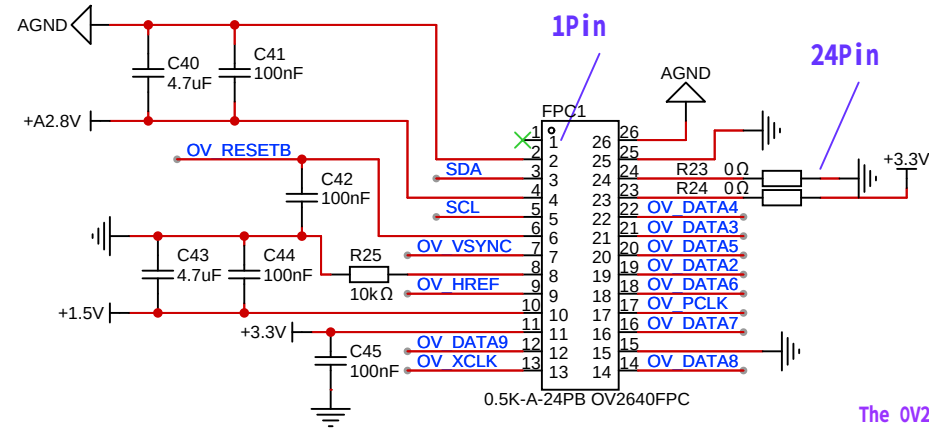
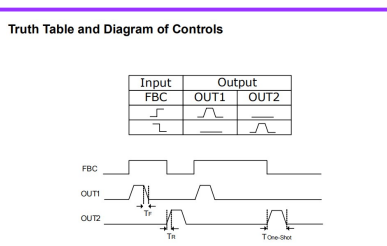
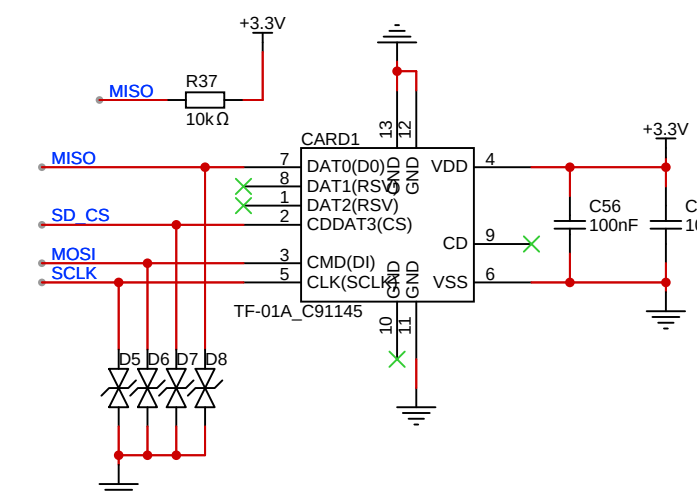
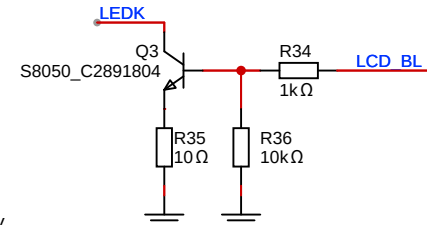
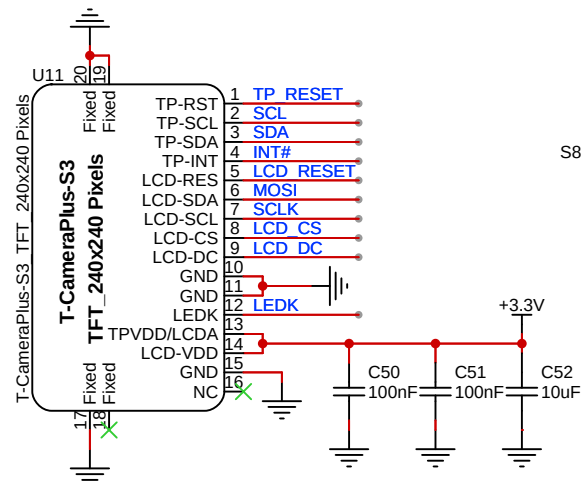
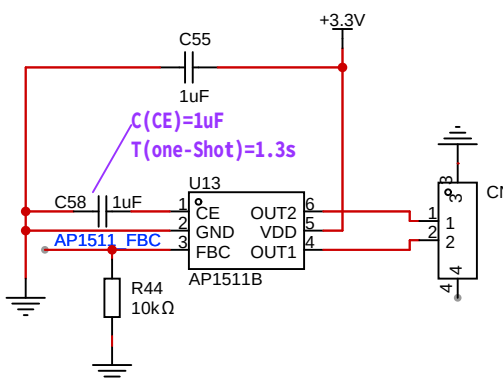




The OV2640 pin tag reference diagram



The period of T_{one-Shot} is determined by the external capacitor connected on CE pin. It can be estimated From the equation:
 $T(\text{one-Shot}) = 1.3 \cdot 10^6 \cdot C(\text{CE}) (\text{second})$



Default mode: I2S/LJ GAIN 6dB
 Attention: Over 6dB may cause broken sound
 The 0-ohm resistor of the orange box is not connected by default
 Blue box selects the mode

Table 5. SD_MODE Control

SD_MODE STATUS	SELECTED CHANNEL
High	V _{SD_MODE} > B2 trip point
Pullup through R _{SMALL}	B2 trip point > V _{SD_MODE} > B1 trip point
Pullup through R _{LARGE}	B1 trip point > V _{SD_MODE} > B0 trip point
Low	B0 trip point > V _{SD_MODE}

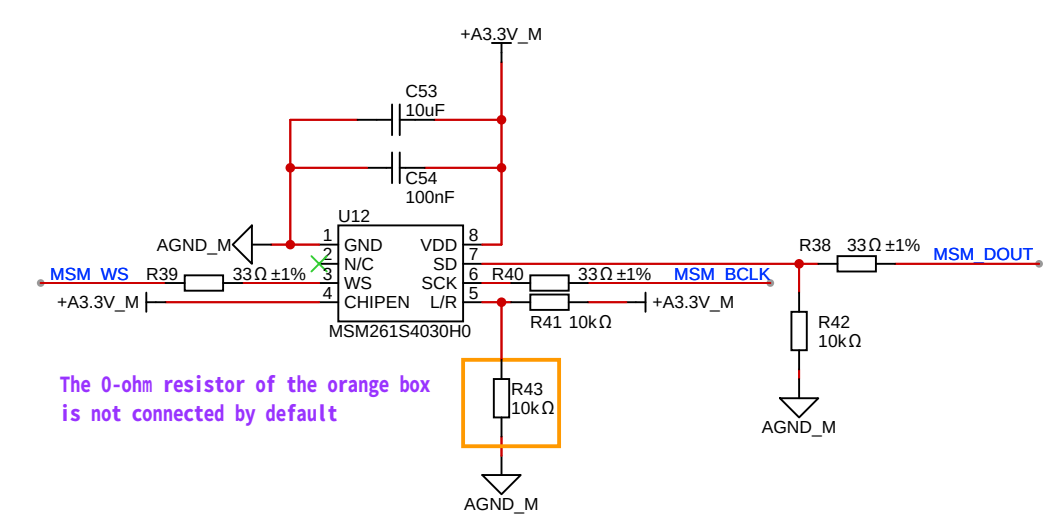
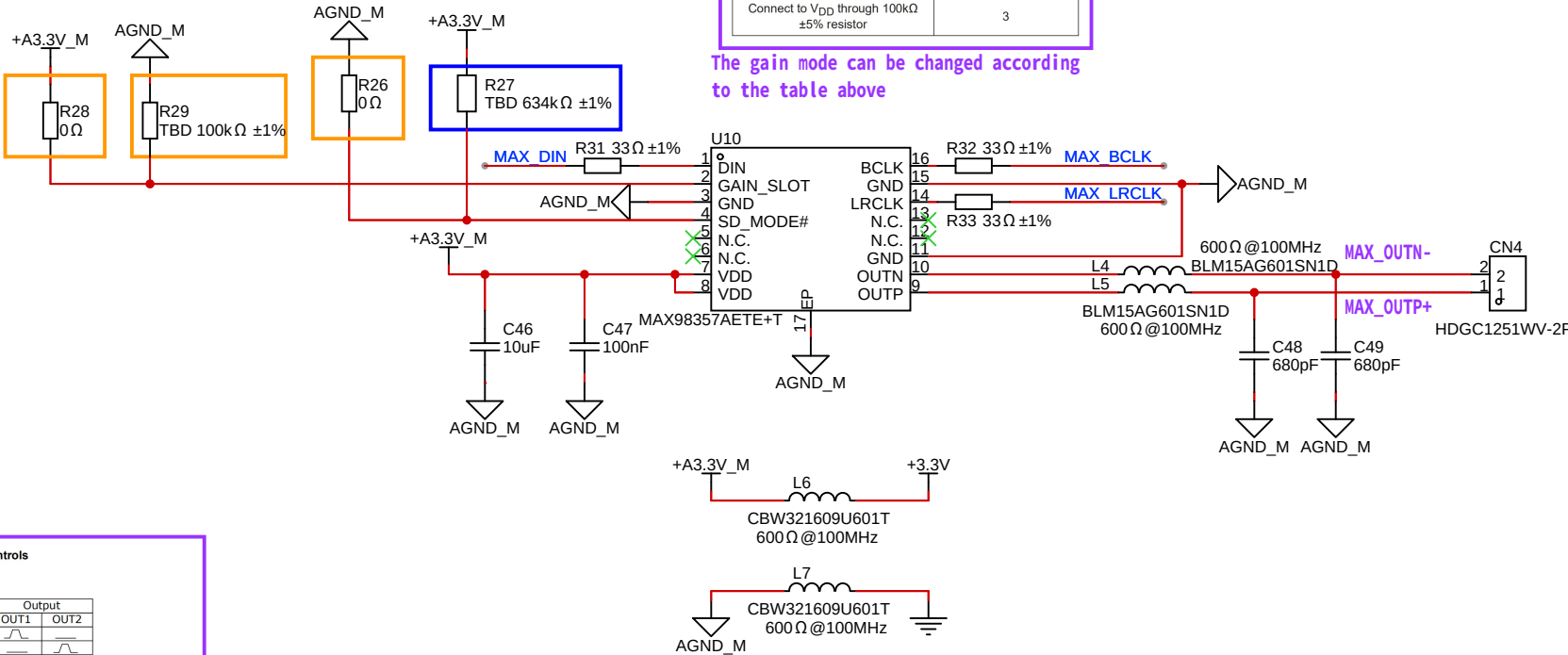
Table 6. Examples of SD_MODE Pullup Resistor Values

LOGIC VOLTAGE LEVEL (V _{DD}) (V)	R _{SMALL} (kΩ)	R _{LARGE} (kΩ)
1.8	60.8	300
3.3	210.2	634

The gain mode can be changed according to the table above

Table 8. Gain Selection

GAIN_SLOT	I ² S/LJ GAIN (dB)
Connect to GND through 100kΩ ±5% resistor	15
Connect to GND	12
Unconnected	9
Connect to V _{DD}	6
Connect to V _{DD} through 100kΩ ±5% resistor	3



The 0-ohm resistor of the orange box is not connected by default