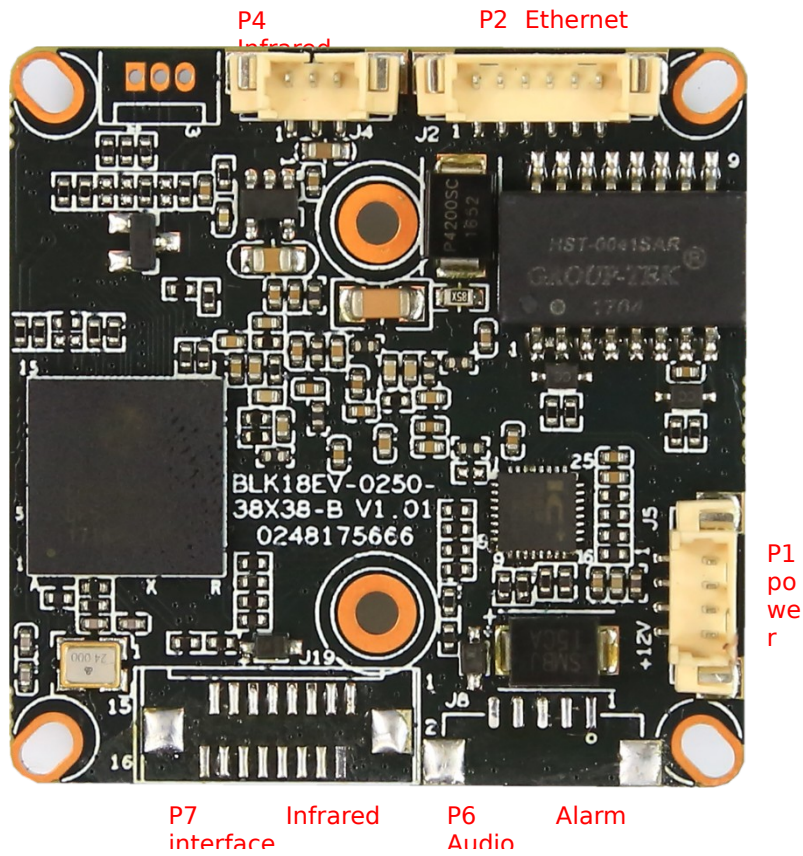
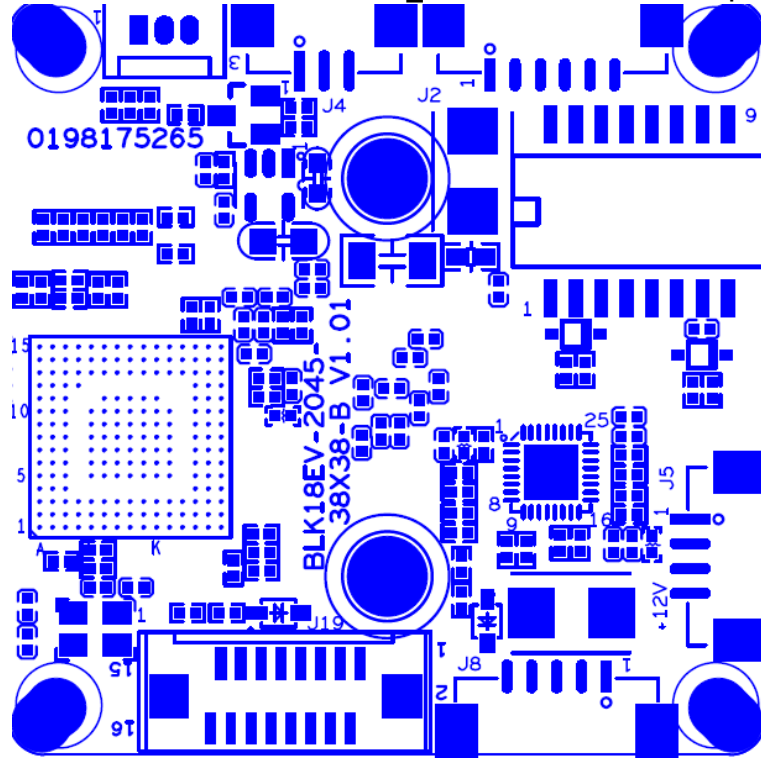
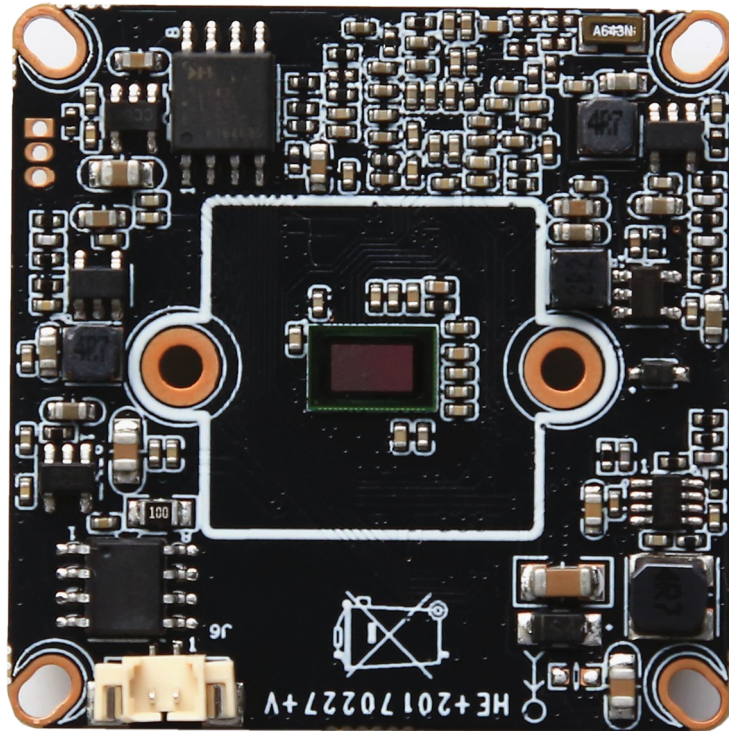


## BLK18EV-2045-38X38-B-V1\_01 Interface Description





P5 IR-CUT

Detailed Definition

| Label | Socket | Specific No | Interface Description | Function        |
|-------|--------|-------------|-----------------------|-----------------|
| P1    | J5     | 1           | NC                    | Undefined       |
|       |        | 2           | NC                    | Undefined       |
|       |        | 3           | GND                   | GND             |
|       |        | 4           | +12V                  | 12V DC input    |
| P2    | J2     | 1           | ETHTR-                | Ethernet signal |
|       |        | 2           | ETHTR+                | Ethernet signal |
|       |        | 3           | LED/PHY_AD3           | LED             |
|       |        | 4           | ETHTX-                | Ethernet signal |
|       |        | 5           | ETHTX+                | Ethernet signal |
|       |        | 6           | LED/PHY_AD0           | LED             |
| P3    | J3     | 1           | UART0_RXD             |                 |
|       |        | 2           | UART0_TXD             |                 |
|       |        | 3           | GND                   |                 |
| P4    | J4     | 1           | Infrared input        | Infrared input  |
|       |        | 2           | GND                   | GND             |
|       |        | 3           | +5V                   | 5V DC input     |
| P5    | J6     | 1           | IRCUT_A               | IRCUT output    |

|    |     |    |            |                       |
|----|-----|----|------------|-----------------------|
|    |     | 2  | IRCU_T_B   | IRCU_T output         |
| P6 | J8  | 1  | AC_OUT     | AC_OUT                |
|    |     | 2  | MIC_P      | MIC_P                 |
|    |     | 3  | AGND       | Analog ground         |
|    |     | 4  | ALARM_IN   | ALARM_IN              |
|    |     | 5  | GND        | GND                   |
|    |     |    |            |                       |
| P7 | J19 | 1  | SD_CLK     | SD_CLK                |
|    |     | 2  | SD_CMD     | SD_CMD                |
|    |     | 3  | SD_DATA0   | SD_DATA0              |
|    |     | 4  | SD_DATA1   | SD_DATA1              |
|    |     | 5  | SD_DATA2   | SD_DATA2              |
|    |     | 6  | SD_DATA3   | SD_DATA3              |
|    |     | 7  | LED_CTRL   | LED_CTRL              |
|    |     | 8  | GND        | GND                   |
|    |     | 9  | Key-set    | Key-set               |
|    |     | 10 | BAT        | RTC RTC battery input |
|    |     | 11 | GND        | GND                   |
|    |     | 12 | ALARM_OUT  | ALARM_OUT             |
|    |     | 13 | USB_DM     | USB_DM                |
|    |     | 14 | USB_DP     | USB_DP                |
|    |     | 15 | +5V        | +5V                   |
|    |     | 16 | USB_CONTRL | USB_CONTRL            |
|    |     |    |            |                       |