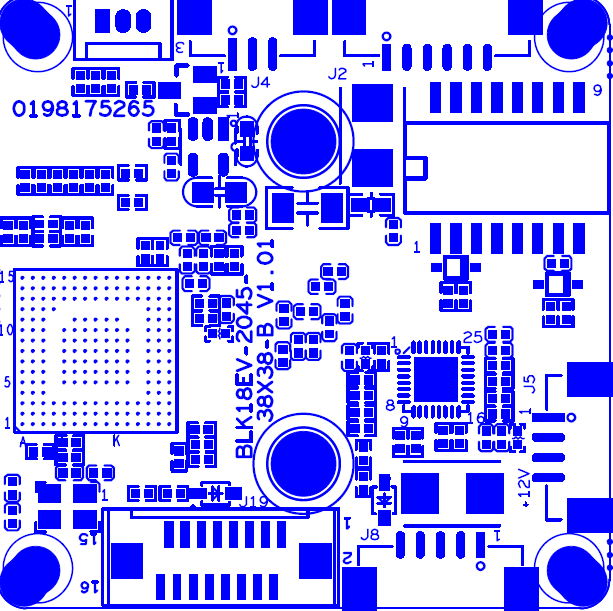
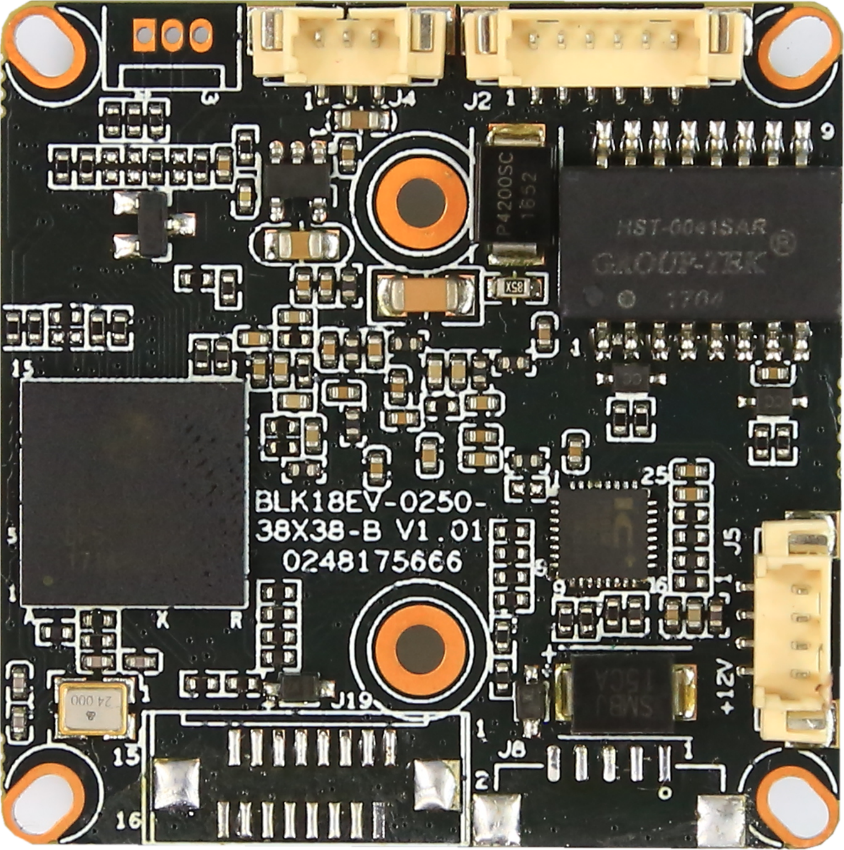
LK18EV-2045-38X38-B-V1\_01 Interface Description



P4 Infrared

P2 Ethernet

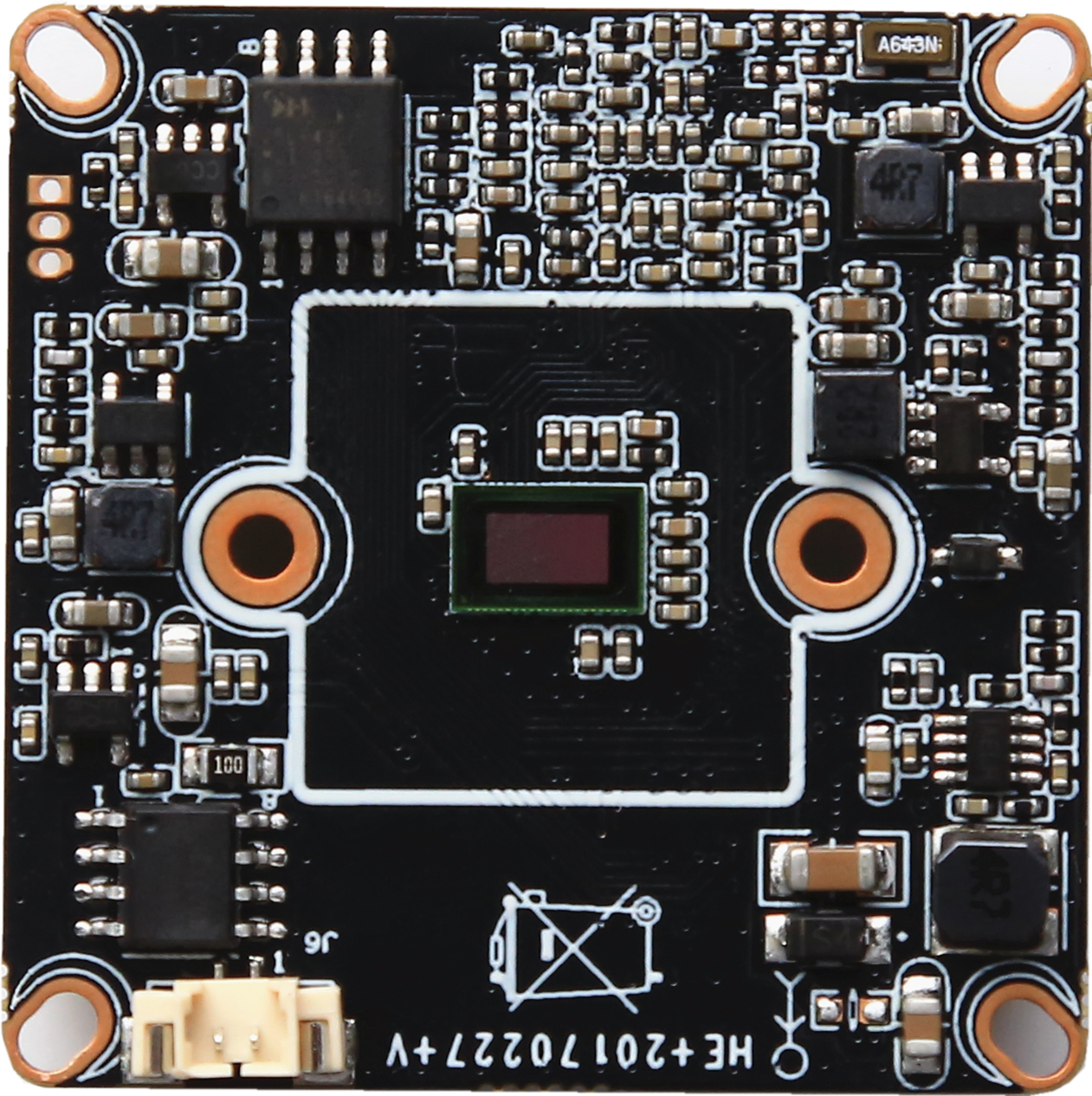


P7 Infrared interface

P6 Alarm Audio

P1 power

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 | IRCUT\_B | IRCUT 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 |