

Knob screen EXP1  
 GND PD8 PC11 PA10 PA8  
 5V PC12 PC10 PA9 PC9

Knob screen EXP2  
 GND PC8 PC6 PC7 PB14  
 3.3V RESET PB15 PB12 PB13

Mainboard

Z2-axis  
 DIR: PD5  
 STEP: PD7  
 EN: PB5  
 UART: PD6

Z1-axis  
 DIR: PD1  
 STEP: PD3  
 EN: PD4  
 UART: PD2

Y-axis  
 DIR: PB6  
 STEP: PB8  
 EN: PB9  
 UART: PB7

X-axis  
 DIR: PE0  
 STEP: PE2  
 EN: PE3  
 UART: PE1

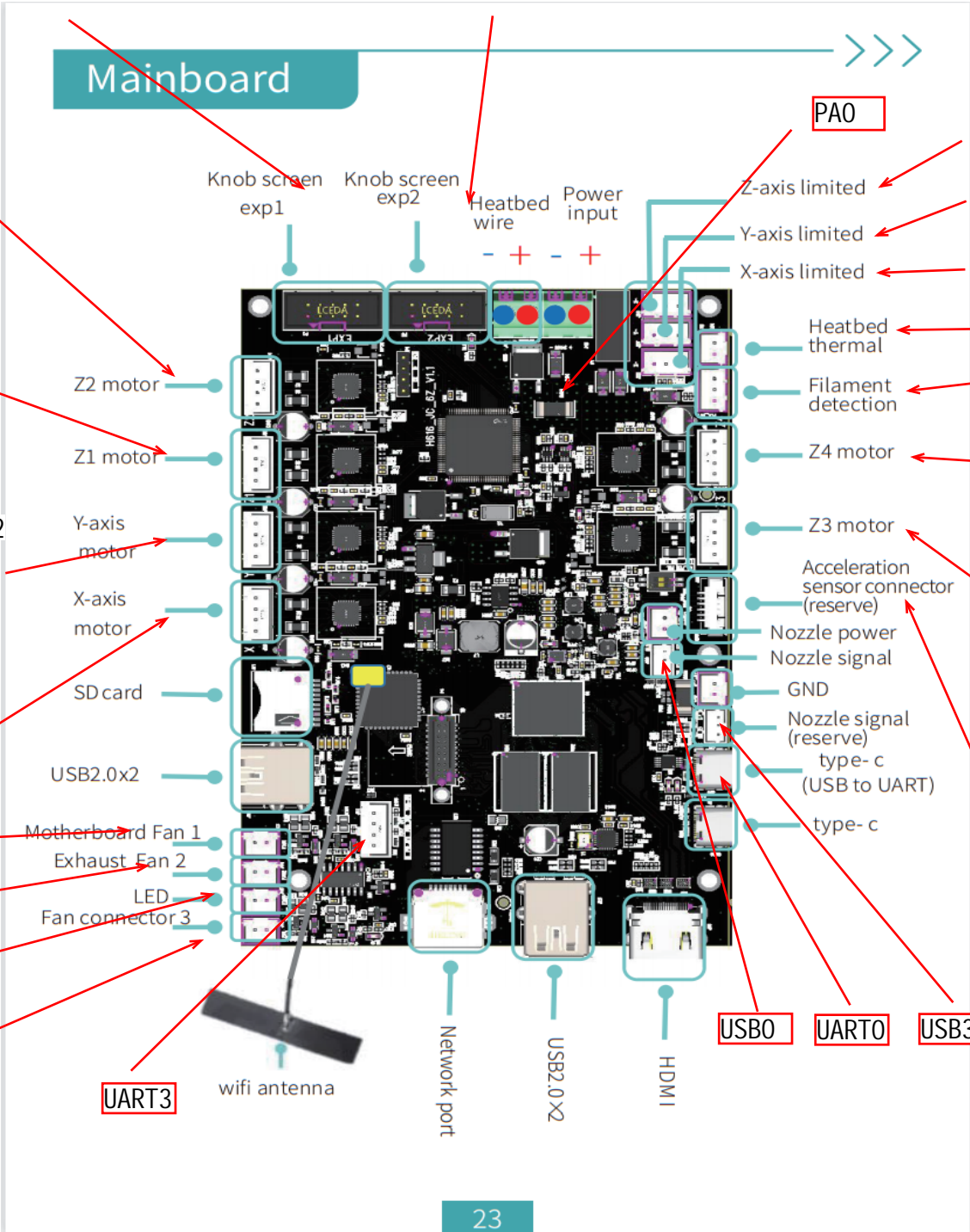
PA1

PA2

PA3

PA6

UART3



PA0

PE12

PE13

PE15

PC5

PE9

Z4-axis  
 DIR: PD9  
 STEP: PD11  
 EN: PD12  
 UART: PD10

Z3-axis  
 DIR: PE5  
 STEP: PC0  
 EN: PC1  
 UART: PE6

Acceleration sensor connector  
 SCL: PH6  
 SDO: PH7  
 SDA: PH8  
 CS: PC7  
 3.3V  
 GND

USB0

UART0

USB3