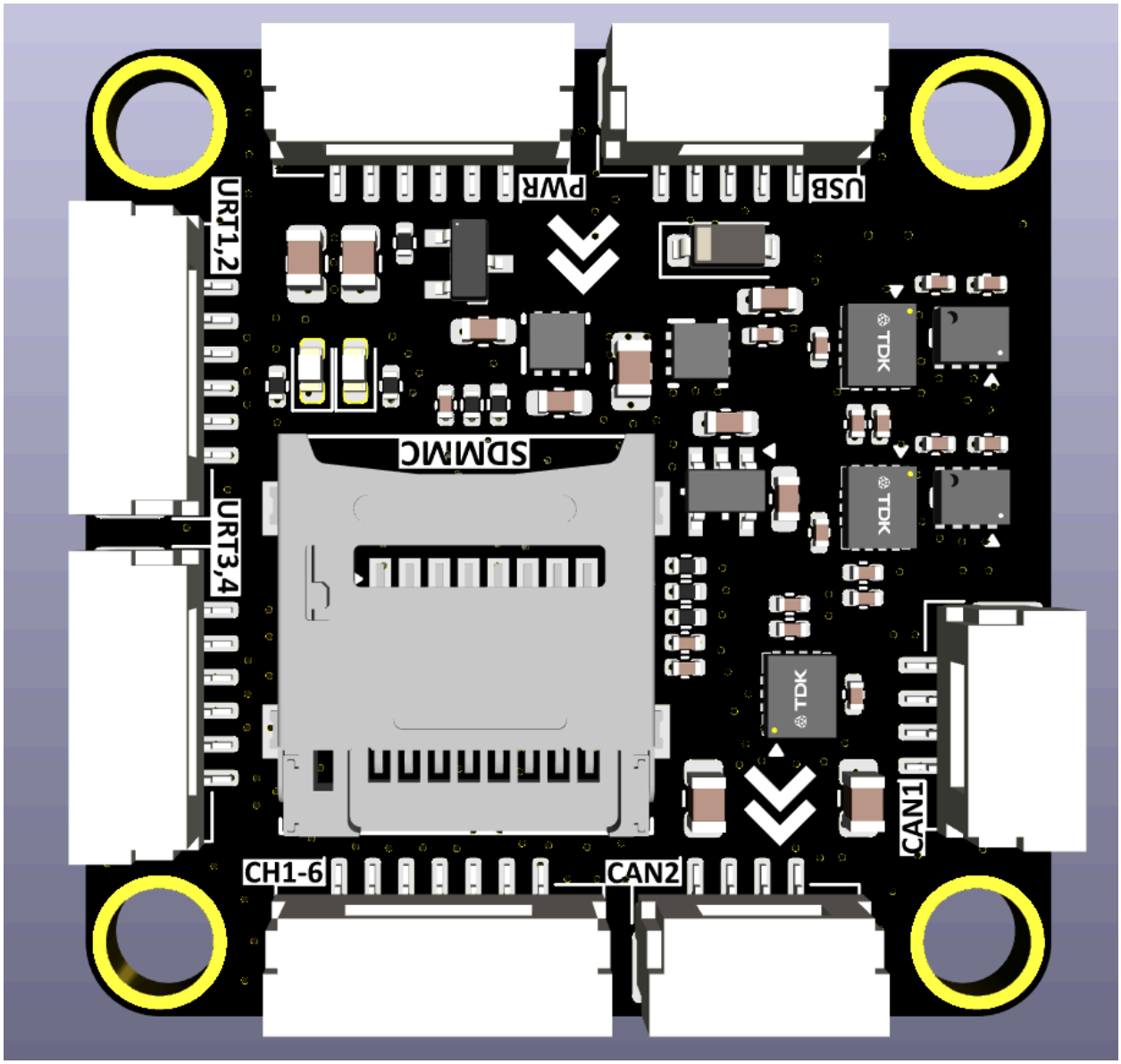
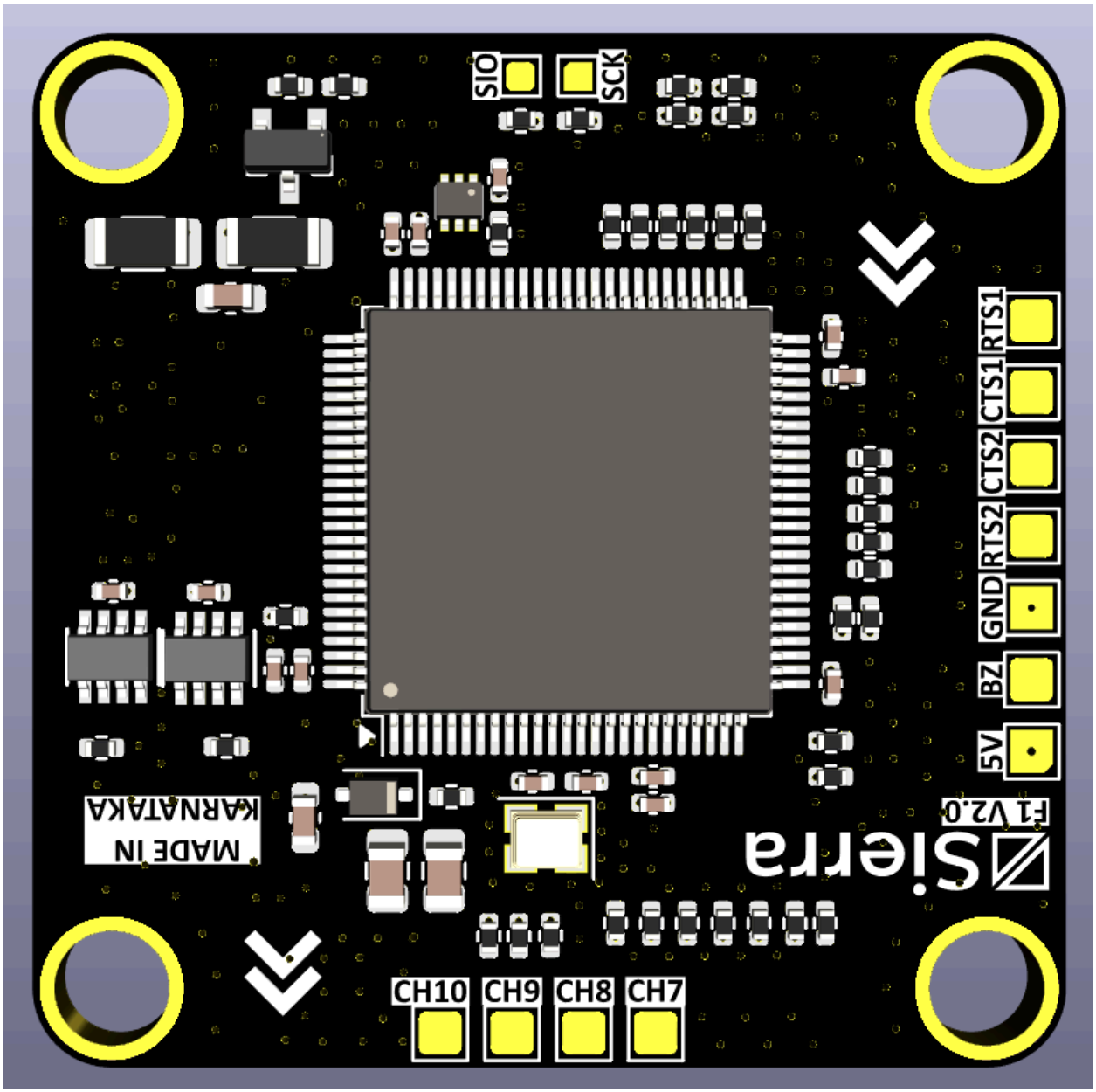
Sierra
Aerospace

Sierra F1 Mini V2




SIO
SCK
RTS1
CTS1
CTS2
RTS2
GND
BZ
5V
Sierra
F1 V2.0
MADE IN
KARNATAKA
CH10
CH9
CH8
CH7

1. **CAN ports: CAN1 and CAN2**

   Note: Follows exact pinouts as Pixhawk Cube/ Pixhawk standards

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	CAN_H	CAN high
3 (blk)	CAN_L	CAN low
4 (blk)	GND	GND

2. **Power IN**

Pin	Signal	Volt
1 (red)	VCC	+5.3V
2 (blk)	VCC	+5.3V
3 (blk)	I2C_SCL	+3.3V
4 (blk)	I2C_SDA	+3.3V
5 (blk)	GND	GND
6 (blk)	GND	GND

3. URT1,2: Serial1 and Serial2

Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	USART3_Tx	+3.3V
3 (blk)	USART3_Rx	+3.3V
4 (blk)	UART5_Tx	+3.3V
5 (blk)	UART5_Rx	+3.3V
6 (blk)	GND	GND

4. URT3,4: Serial3 and Serial4

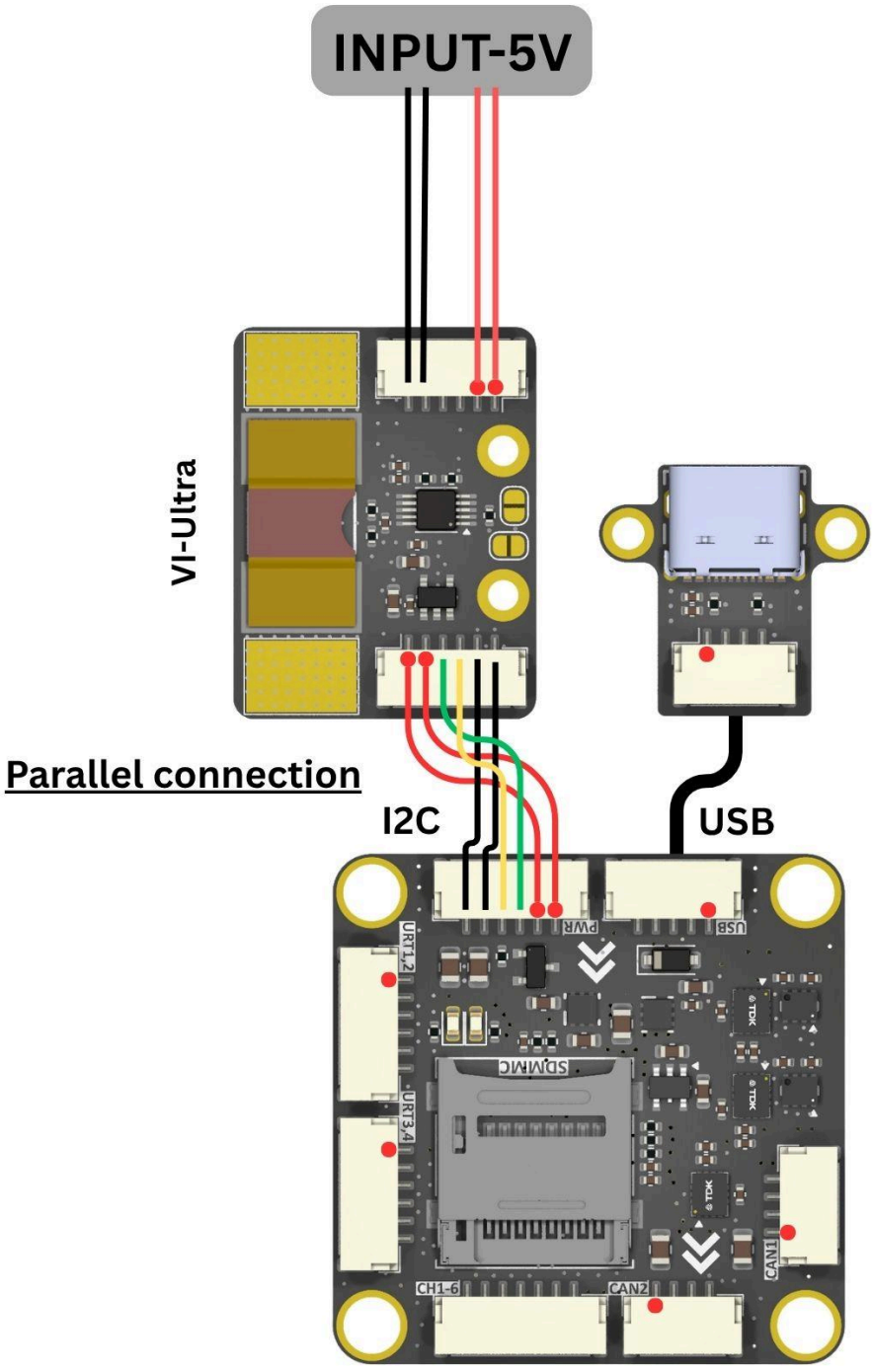
Pin	Signal	Volt
1 (red)	VCC	+5V
2 (blk)	UART7_Tx	+3.3V
3 (blk)	UART7_Rx	+3.3V
4 (blk)	UART6_Tx	+3.3V
5 (blk)	UART6_Rx	+3.3V
6 (blk)	GND	GND

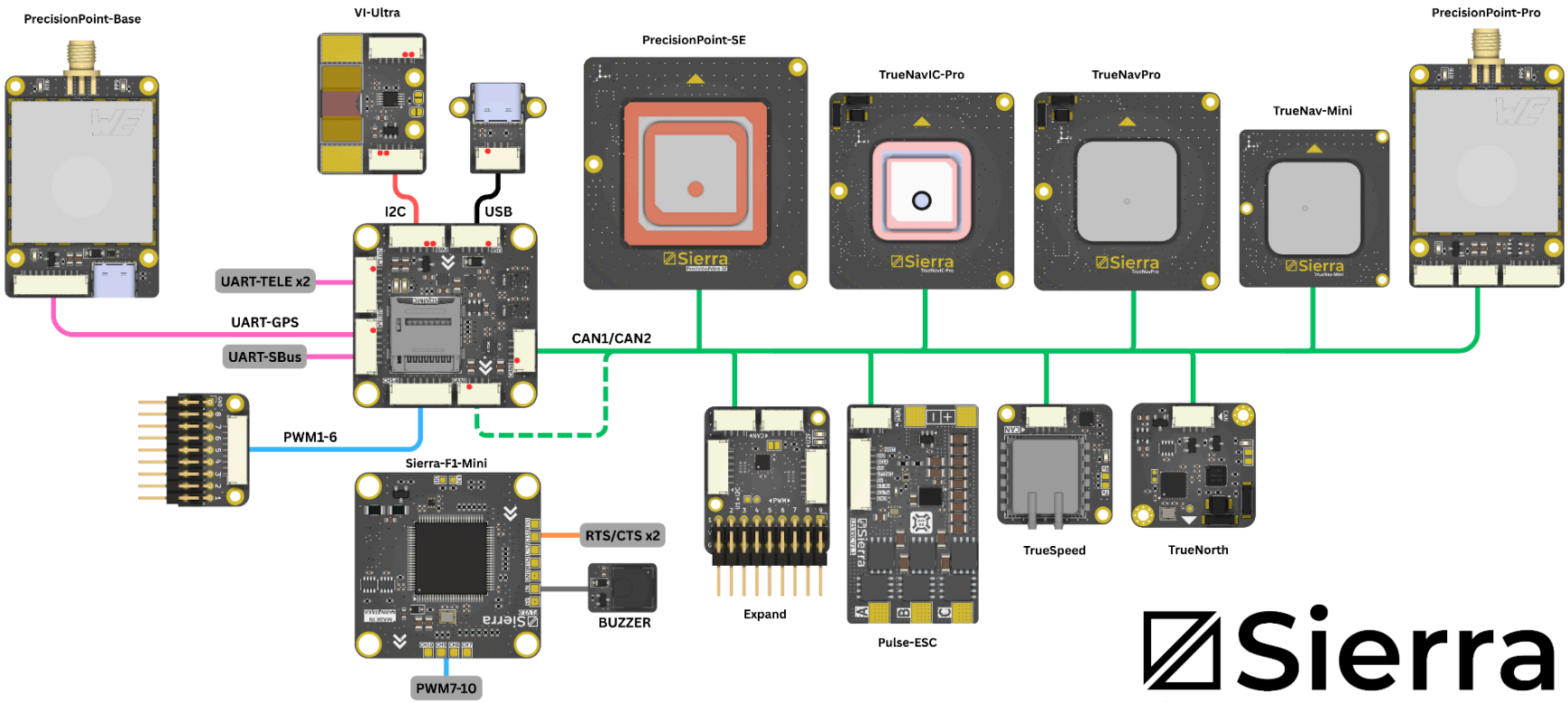
5. PWM1-6

Pin	Signal	Volt
1 (blk)	PWM1	+3.3
2 (blk)	PWM2	+3.3
3 (blk)	PWM3	+3.3
4 (blk)	PWM4	+3.3
5 (blk)	PWM5	+3.3
6 (blk)	PWM6	+3.3
7 (blk)	GND	GND

6. USB

Pin	Signal	Volt
1 (red)	**VBus**	+5V
2 (blk)	USB+	+3.3V
3 (blk)	USB-	+3.3V
4 (blk)	**GND**	**GND**
5 (blk)	**GND**	**GND**


INPUT-5V
VI-Ultra
Parallel connection
I2C
USB
PWR
USB
URT1,2
URT3,4
SDMMC
CH1-6
CAN2
CAN1



Sierra Aerospace