Power

BATT : 7–14V

+5V max current : 6A

+3.3V max current : 1A

When connected, it supplies power from USB.

Bluetooth Low Energy module

Ethernet+RJ45

0 0 0 10BT Half-duplex, Auto-negotiation disabled
0 0 1 10BT Full-duplex, Auto-negotiation disabled
0 1 0 100BT Half-duplex, Auto-negotiation disabled
0 1 1 100BT Full-duplex, Auto-negotiation disabled
1 0 0 100BT Half-duplex, Auto-negotiation enabled
1 0 1 Not used
1 1 0 Not used
1 1 1 All capable, Auto-negotiation enabled

Gyro

BLE–UART selector

CAN

MCU uart to USB type–C

Type–C connector

Virtual COM port allows communication to both STM32 and ESP32
Port A connects to STM, port B to ESP
Refer to datasheet for details

MCU

Interfaces

DIP–SW

Indicator

STLink

Encoder

External–Switch

Gento Alba (GN10)	
Sheet: /	
File: GN10Mainboard.kicad_sch	
Title: GN10Mainboard	
Size: A2	Date: 2025-05-11
KiCad E.D.A. 9.0.0	Rev: v2.0
	Id: 1/1