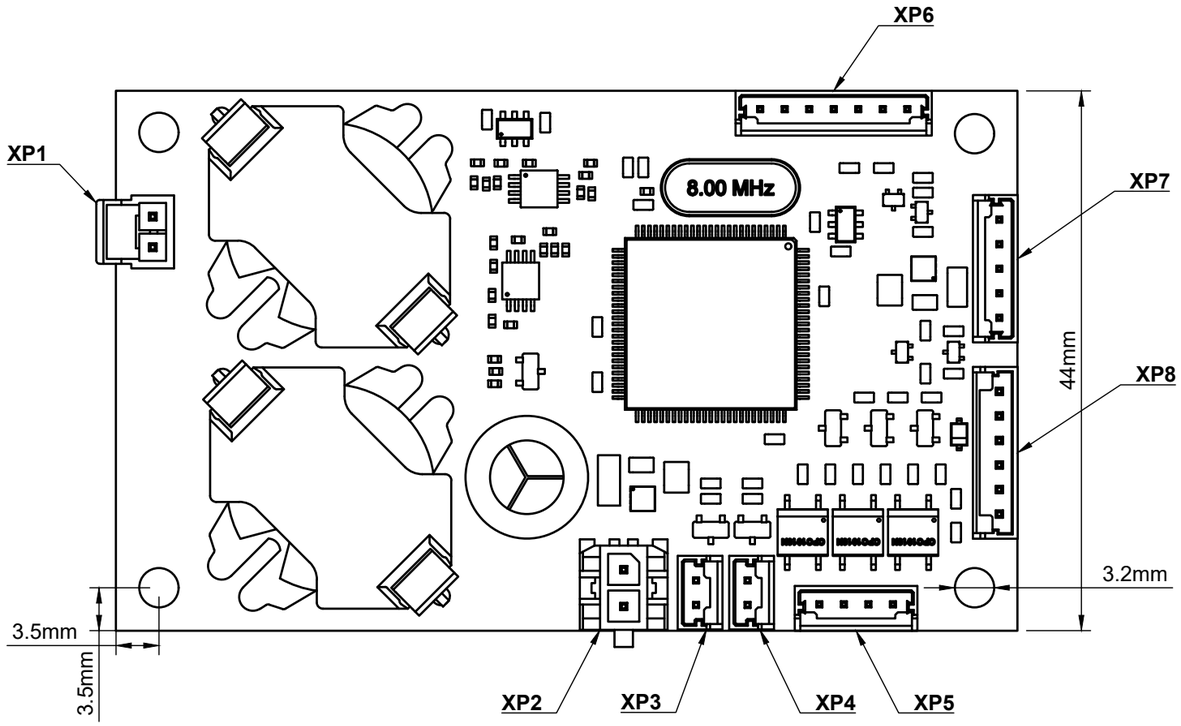


XP1	Antenna
1	ANT +
2	ANT -

XP2	Main Power
1	GND
2	+12V

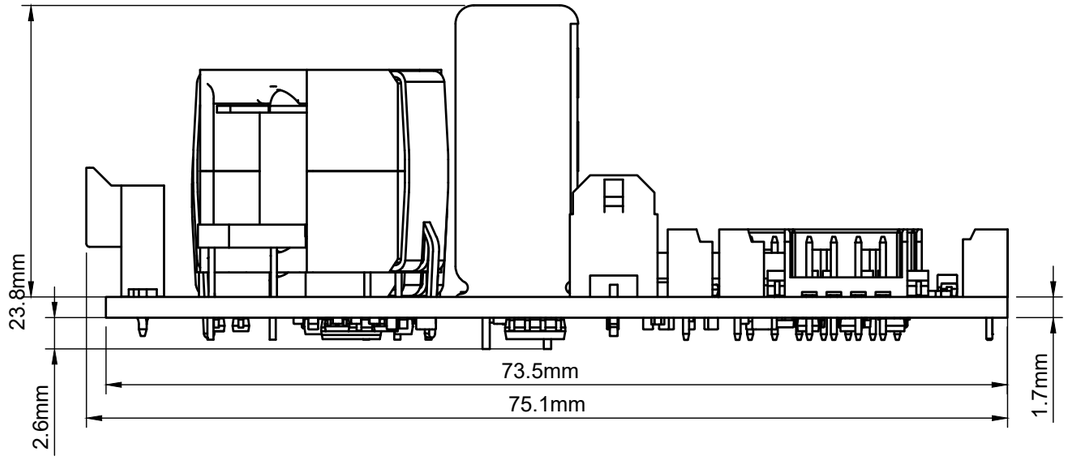
XP3, XP4	LED
1	LED +
2	LED -

XP5	UART (0-3.3V)
1	TxD
2	RxD
3	SVC/CMD
4	GND

XP6	Pressure
1	+3.3V
5	SDA
6	SCL
7	GND

XP7	GNSS
1	+3.3V
2	1PPS
3	TxD
4	RxD
5	GND

XP8	RF Module
1	GND
2	+5V
3	ENABLE
4	TxD
5	RxD
6	SET



XP1	Molex 105309-1102
XP2	Molex 43045-0212
XP3	Molex 53253-0270
XP4	Molex 53253-0270
XP5	Molex 53253-0470
XP6	Molex 53253-0770
XP7	Molex 53253-0570
XP8	Molex 53253-0670

CAUTION!

The supply voltage must not exceed 14V ±0.3V. The minimum allowable supply voltage is 12V.

Connector XP1 is intended only for the antenna included with the device. Using any other antenna will result in damage to the board.

Connector XP6 is designed for the KELLER 4LD pressure sensor. Connecting any other device is strictly prohibited and may cause permanent board failure.

Communication with the device is performed through the UART interface (connector XP5) with a data line voltage range of 0 to 3.3V. If the data line voltage exceeds 5.3V, the device will automatically shut down. Applying higher voltages to the data line may cause irreversible damage.

Dept.	Technical reference	Created by Gene Bivol 2/26/2026	Approved by
		Document type	Document status
		Title: DiveNET: Sealink-OEM	DWG No.
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