



mRo X2.1 AutoPilot

USB

Bottom connectors

Telem 1

GPS/I2C

Top connectors

CH4	CH1	GND
CH5	CH2	VOLT
CH6	CH3	CURR
GND	5VP	5Vin
GND	VS	S8
GND	VS	S7
GND	VS	S6
GND	VS	S5
GND	VS	S4
GND	VS	S3
GND	VS	S2
GND	VS	S1

U1Rx	GND	VCC spk
SORI	NC	GND
SIPI	VCC Rx	GND
AIR	5VP	GND
KILL	5VP	BUZZ
SAFE	LED	IO 3V3
GND	GND	GND
ADC2	U3RTS	ADC1
GND	U3CTS	GND
U8Rx	U3Rx	U7Rx
U8Tx	U3Tx	U7Tx
5VP	5VP	5VP

CAN

Top connectors

SWD IO

SWD FMU

Bottom connectors

0.1" Header Ports

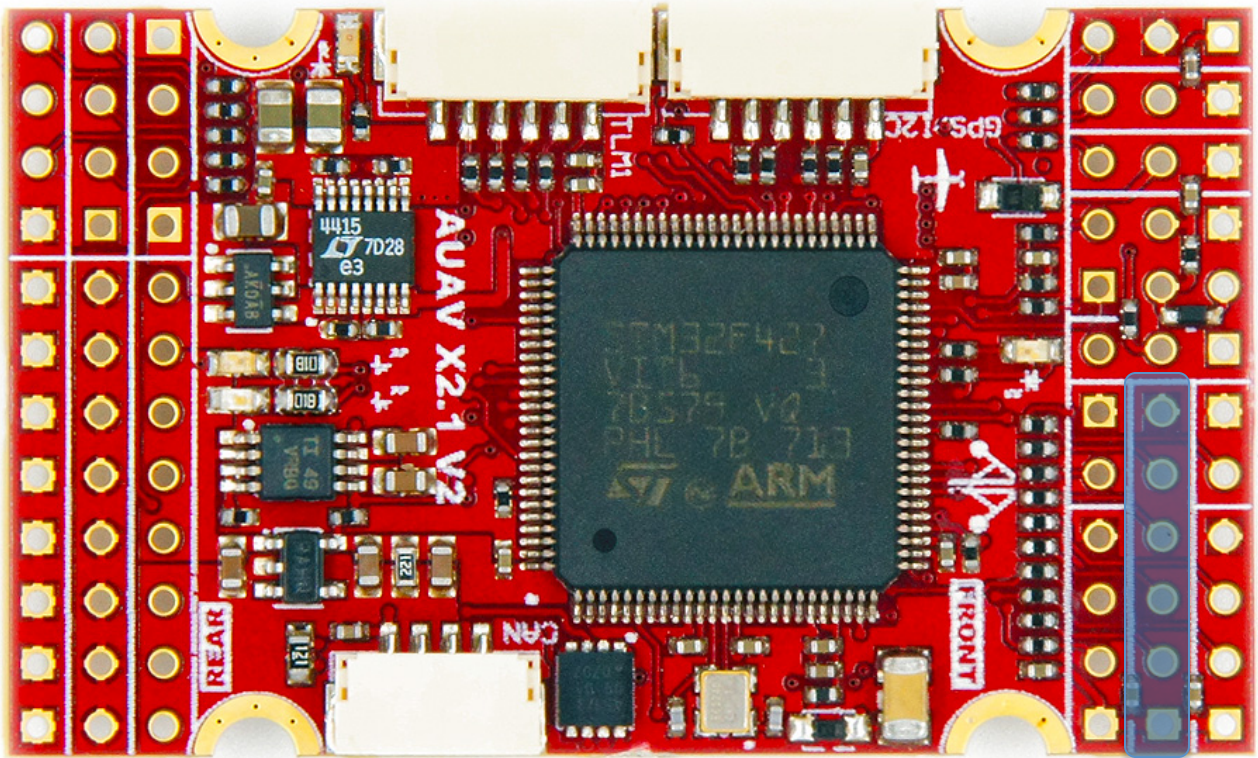
- Aux outputs
- Power Module
- Main PWM outputs
- UART CH8 (Serial 4)
- UART CH3 (Serial 2)
- UART CH7 (Serial 5)
- Safety switch / Led
- Buzzer
- Air sensor
- Kill input
- PPM in / SBUS in
- SBUS out / RSSI
- SPK Satellite

JST-GH Ports

PORT	P1	P2	P3	P4	P5	P6
Telem 1	5V	TX	RX	CTS	RTS	GND
GPS/I2C	5V	TX	RX	SCL	SDA	GND
CAN	5V	C-L	C-H	GND		
USB	USB+	D-	D+	GND		
SWD IO	RESET	SWDIO	SWCLK	GND		
SWD FMU	RESET	SWDIO	SWCLK	GND		

Serial Channels

Device	Channel (Serial)
Telemetry 1	UART 2 (Serial 1)
GPS	UART 4 (Serial 3)
Telemetry 2	UART 3 (Serial 2)
Debug	UART 7 (Serial 5)
OSD	UART 8 (Serial 4)

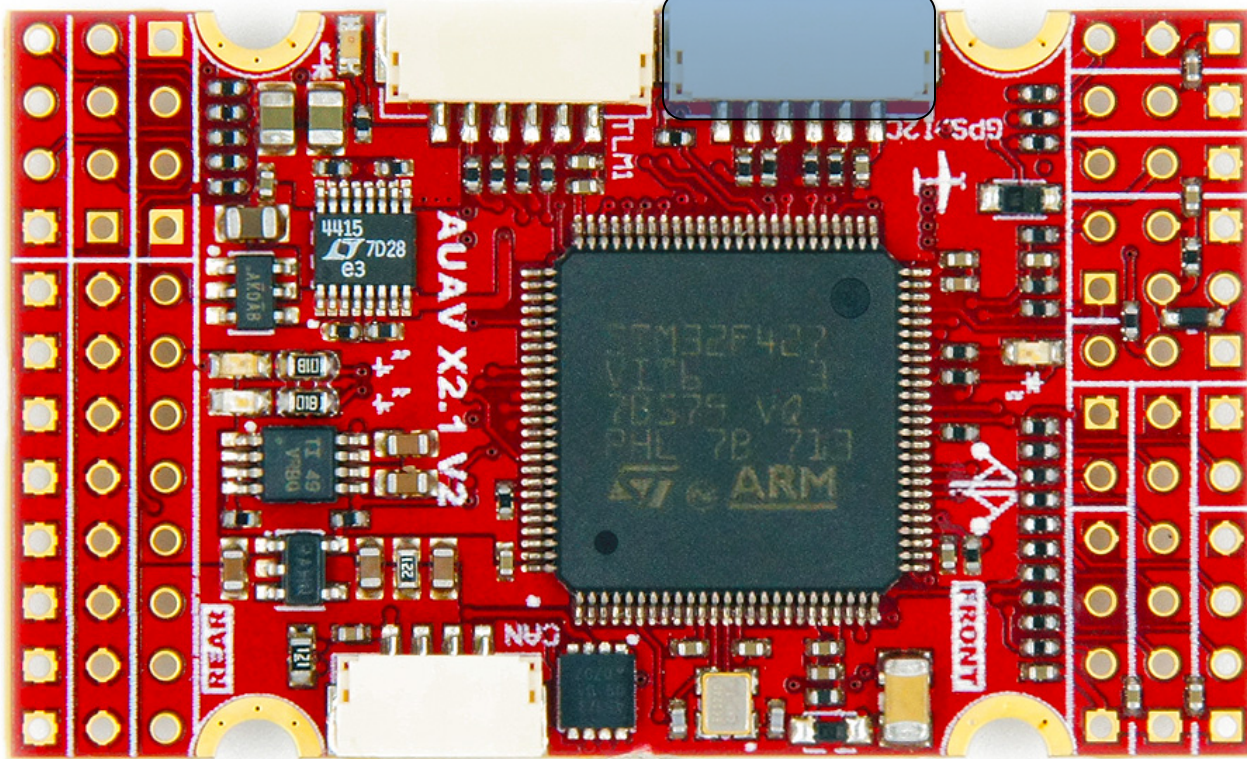


- GND
- U3RTS
- U3CTS
- U3Rx
- U3Tx
- SVP

TELEMETRY 2
(SERIAL 2)

GPS / I2C
(SERIAL 3)

GND
SDA
SCL
U4Rx
U4Tx
5VP



Telem 1
(SERIAL 1)

- GND
- RTS
- CTS
- U2RX
- U2TX
- 5VP

