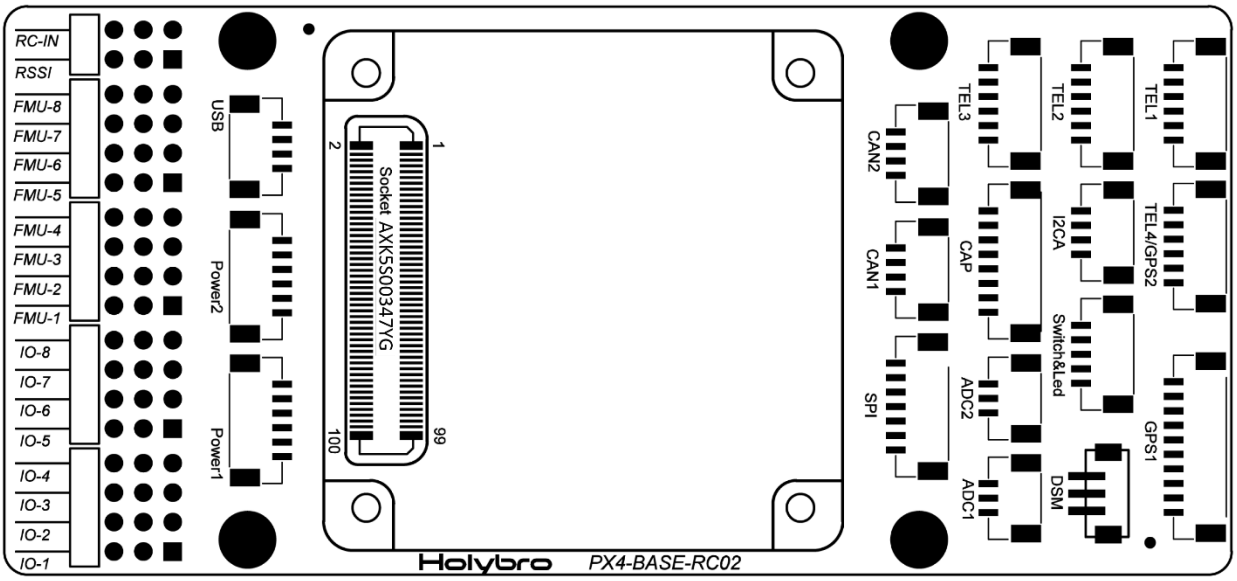
pix32 v5

Pinouts



TELEM1, TELEM2 ports

Pin	Signal	Volt
1(red)	VCC	+5V
2(black)	TX(out)	+3.3V
3(black)	RX(in)	+3.3V
4(black)	CTS(in)	+3.3V
5(black)	RTS(out)	+3.3V
6(black)	GND	GND

TELEM3 ports

Pin	Signal	Volt
1(red)	VCC	+5V
2(black)	TX(out)	+3.3V
3(black)	RX(in)	+3.3V
4(black)	NC	NC
5(black)	NC	NC
6(black)	GND	GND

Switch&Led port

Pin	Signal	Volt
1	SAFETY_SWITCH	+3.3V
2	SAFETY_SWITCH_LED	+3.3V
3	VDD_3V3	+3.3V
4	BUZZER-	0~5V
5	BUZZER+	+5V

TELEM4/GPS2 ports

Pin	Signal	Volt
1(red)	VCC	+5V
2(black)	TX(out)	+3.3V
3(black)	RX(in)	+3.3V
4(black)	SCL2	+3.3V
5(black)	SDA2	+3.3V
6(black)	GND	GND

*A spare port for connecting sensors supporting serial communication or I2C e.g. a second GPS module can be connected here.

I2C A port

Pin	Signal	Volt
1(red)	VCC	+5V
2(black)	SCL4	+3.3V
3(black)	SDA4	+3.3V
4(black)	GND	GND

GPS1 port

Pin	Signal	Volt
1(red)	VCC	+5V
2 black)	TX(out)	+3.3V
3(black)	RX(in)	+3.3V
4(black)	SCL1	+3.3V
5(black)	SDA1	+3.3V
6(black)	SAFETY_SWITCH	+3.3V
7(black)	SAFETY_SWITCH_LED	+3.3V
8(black)	VDD_3V3	+3.3V
9(black)	BUZZER-	0~5V
10(black)	GND	GND

CAP port

Pin	Signal	Volt
1(red)	VCC	+5V
2 black)	FMU_CAP1	+3.3V
3(black)	FMU_CAP2	+3.3V
4(black)	FMU_CAP3	+3.3V
5(black)	TIM5_SPARE_4	+3.3V
6(black)	SPI5_SYNC	+3.3V
7(black)	SPI5_RESET	+3.3V
8(black)	GND	GND

CAN1, CAN2 ports

Pin	Signal	Volt
1(red)	VCC	+5V
2(black)	CANH	+3.3V
3(black)	CANL	+3.3V
4(black)	GND	GND

SPI port

Pin	Signal	Volt
1(red)	VCC	+5V
2 (black)	SPI5_SCK	+3.3V
3(black)	SPI5_MISO	+3.3V
4(black)	SPI5_MOSI	+3.3V
5(black)	SPI5_CS1	+3.3V
6(black)	SPI5_CS2	+3.3V
7(black)	GND	GND

ADC1 port

Pin	Signal	Volt
1(red)	VCC	+5V
2(yellow)	ADC1_IN	+3.3V
3(black)	GND	GND

ADC2 port

Pin	Signal	Volt
1(red)	VCC	+5V
2(yellow)	ADC2_IN	+6.6V
3(black)	GND	GND

DSM port

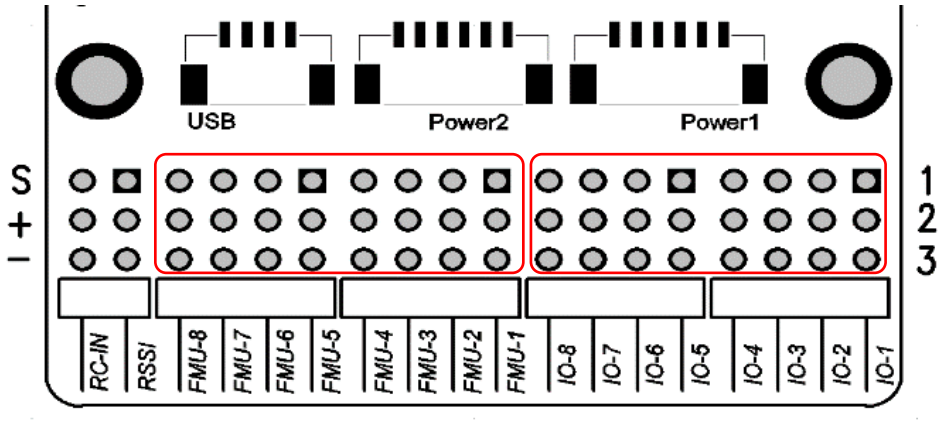
Pin	Signal	Volt
1(yellow)	VDD_3V3_SPEKTRUM	+3.3V
2(black)	GND	GND
3(gray)	DSM/Spektrum in	+3.3V

Power 1, Power 2 ports

Pin	Signal	Volt
1(red)	VCC	+5V
2(black)	VCC	+5V
3(black)	CURRENT	+3.3V
4(black)	VOLTAGE	+3.3V
5(black)	GND	GND
6(black)	GND	GND

USB port

Pin	Signal	Volt
1(red)	VBUS	+5V
2(black)	DM	+3.3V
3(black)	DP	+3.3V
4(black)	GND	GND



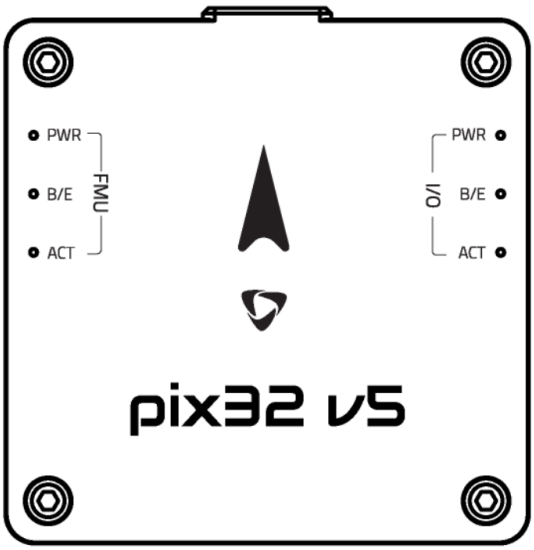
***FMU1~8 FMU PWM OUT 1~8**
***IO1~8 IO PWM OUT 1~**

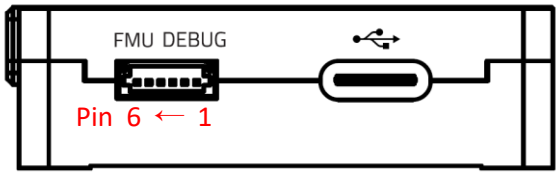
RSSI port

Pin	Signal	Volt
1	SBUS_OUT/RSSI_IN	+3.3V
2	VDD_SERVO	
3	GND	GND

RC-IN port

Pin	Signal	Volt
1	SBUS/PPM in	+3.3V
2	VDD_5V _RC	+5V
3	GND	GNS





FMU DEBUG port

Pin	Signal	Volt
1(red)	VT	+3.3V
2(black)	TX	+3.3V
3(black)	RX	+3.3V
4(black)	SWDIO	+3.3V
5(black)	SWCLK	+3.3V
6(black)	GND	GND