

MCU board backside view

rewire	original	JoyStick	RIGHT	LEFT	promicro	print	nice!nano	nice!nano	print	promicro	Joystick	RIGHT	LEFT	original	rewire
	COL11		RED R10		D1	PD3(TX)	TXO P0.06		BAT+						
	COL10		BLACK R9		D0	PD2(RX)	RXI P0.08		BAT+ RAW						
							GND GND		GND GND						
		GREEN RS1					GND GND		3.3V VCC		YELLOW RS2				
	COL9		YELLOW R8		D2	PD1(SDA)	2 P0.17	AIN7/P0.31 A3	PF4(ADC4)	D21/A3	*RED RS4		L5 BLUE	COL5	Joystick Y
	COL8		GREEN R7		D3	PD0(SCL)	3 P0.20	AIN5/P0.29 A2	PF5(ADC5)	D20/A2	*BLACK RS3		L5 WHITE	COL4	Joystick X
	COL7		BLUE R6		D4/A6	PD4(ADC8)	4 P0.22	AIN0/P0.02 A1	PF6(ADC6)	D19/A1			L4 ORANGE	COL3	
	COL6		WHITE R5		D5	PC6	5 P0.24	P1.15 A0	PF7(ADC7)	D18/A0			L3 BROWN	COL2	
COL4	JOYSTICK X	BLACK RS3		*L5 WHITE	D6/A7	PD7(ADC10)	6 P1.00	P1.13 15	PB1(SCLK)	D15			L2 GREY	COL1	
ROW0			PURPLE R1	L7 GREEN	D7	PE6	7 P0.11	P1.11 14	PB3(MISO)	D14			L1 PURPLE	COL0	
ROW1			GREY R2	L8 YELLOW	D8/A8	PB4(ADC11)	8 P1.04	P0.10 16	PB2(MOSI)	D16		ORANGE R4	L10 RED	ROW3	
ROW2			BROWN R3	L9 BLACK	D9A9	PB5(ADC12)	9 P1.06	P0.09 10	PB6(ADC13)	D10/A10	RED RS4		*L6 BLUE	JOYSTICK Y	COL5

PCB connector

RIGHT	rewiring	original	LEFT
	Joystick GND	GREEN RS1	→GND
	Joystick VCC	YELLOW RS2	→VCC
*COL4	Joystick X	BLACK RS3	→6
*COL5	Joystick Y	RED RS4	→10
ROW0		PURPLE R1	→7
ROW1		GREY R2	→8
ROW2		BROWN R3	→9
ROW4		ORANGE R4	→16
COL6		WHITE R5	→5
COL7		BLUE R6	→4
COL8		GREEN R7	→3
COL9		YELLOW R8	→2
COL10		BLACK R9	→RXI
COL11		RED R10	→TXO

original	rewiring
L1 PURPLE	COL0
L2 GREY	COL1
L3 BROWN	COL2
L4 ORANGE	COL3
L5 WHITE	COL4
L6 BLUE	COL5
L7 GREEN	ROW0
L8 YELLOW	ROW1
L9 BLACK	ROW2
L10 RED	ROW3

joystick

