

PIC-WEB-BOX, board revision C – PORT PINOUT

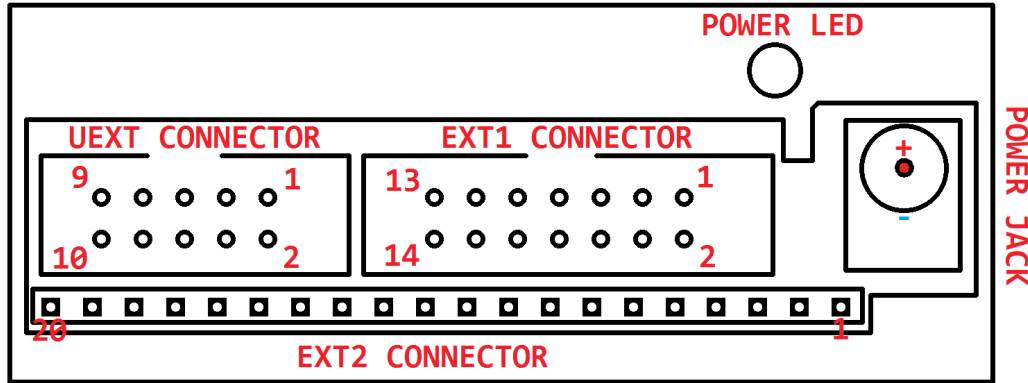
Please double check the orientation of the connectors and the starting pin. Pin numbers 1 & 2 are printed on near the connector.

The pins indicating voltage values – 3.3V or 3.3VA – should be used mainly as outputs! It is not advisable to provide power at those pins (usually pins 1 and 2 of each connector)! Please use the power jack to power the board!

'PROCESSOR PIN (IF AVAILABLE)' field has the pin names as per the official PIC18F67J60/PIC18F97J60 datasheet, released by Microchip. For full details about the pins (multiplexing, usage, registers, etc) please refer to mentioned Microchip documentation. It is also highly recommended to refer to the schematic of PIC-WEB-BOX available.

Signals with (NC) in the name are routed to the corresponding processor pin but are disconnected by default.

'SIGNAL NAME' boxes that contain only '-' indicate that the signal has not specific wire name and goes directly to the processor.



UEXT

PROCESSOR PIN (IF AVAILABLE)	SIGNAL NAME	#	#	SIGNAL NAME	PROCESSOR PIN (IF AVAILABLE)
GROUND	GND	2	1	3.3V	DIGITAL POWER SUPPLY
RC7/RX1/DT1	RXD1	4	3	TXD1	RC6/TX1/CK1
RE1/P2C	* SDA	6	5	SCL *	RE0/P2D
RC5/SDO1	SPI1_MOSI	8	7	SPI1_MISO	RC4/SDI1/SDA1
RE2/P2B	* UEXT_CS#	10	9	SPI1_SCK	RC3/SCK1/SCL1

* I2C wires – SCL and SDA are also present on EXT2 pins 5 and 6. UEXT_CS# is multiplexed with EXT2 pin 7

EXT1

PROCESSOR PIN (IF AVAILABLE)	SIGNAL NAME	#	#	SIGNAL NAME	PROCESSOR PIN (IF AVAILABLE)
GROUND	GND	2	1	3.3V	DIGITAL POWER SUPPLY
RB3/INT3	-	4	3	-	RB2/INT2
RC2/ECCP1/P1A	-	6	5	-	RB5/KBI1
RD1/ECCP3/P3A	-	8	7	-	RD0/P1B
RA2/AN2/VREF-	-	10	9	-	RD2/CCP4/P3D
RA5/AN4	-	12	11	-	RA3/AN3/VREF+
GROUND	GND	14	13	3.3VA	ANALOG POWER SUPPLY

EXT2

PROCESSOR PIN (IF AVAILABLE)	SIGNAL NAME	#
GROUND	GND	1
DIGITAL POWER SUPPLY	3.3V	2
#MCLR	RST	3
RA4/T0CKI	RA4	4
RE0/P2D	* SCL	5
RE1/P2C	* SDA	6
RE2/P2B	* UEXT_CS#	7
RE3/P3C	-	8
RE4/P3B	-	9
RE5/P1C	-	10
MAX2323	RTS	11
MAX2323	CTS	12
RF1/AN6/C2OUT	-	13
RF2/AN7/C1OUT	-	14
RF3/AN8	-	15
RF5/AN10/CVREF	-	16
RF6/AN11	-	17
RG4/CCP5/P1D	-	18
ANALOG POWER SUPPLY	3.3VA	19
GROUND	GND	20

USER I/O

PROCESSOR PIN	USER I/O
RB0/INT0/FLT0	BUT1 – GREEN
RB3/INT3	BUT2 – RED
RB1/INT1	USER LED – GREEN

* I2C wires – SCL and SDA are also present on UEXT pins 5 and 6. UEXT_CS# is multiplexed with UEXT pin 10