

Sheet1

Notes	Port name	Offset	15	14	13	12	11	10	9	8	7	6	5
			Bit										
Input port/Function 1 = pullup, 0 = pulldown 0 = input, 1 = output 0 = I/O, 1 = Peripheral 1 = Pull Enabled	P1IN	0x20	×	×	×	×	×	×	×	×	Port 1 is not connected		
	PxOUT	0x21											
	PxDIR	0x22											
	PxSEL	0x26											
	PxREN	0x27											
Input port/Function 1 = pullup, 0 = pulldown 0 = input, 1 = output 0 = I/O, 1 = Peripheral 1 = Pull Enabled	P2IN	0x28	×	×	×	×	×	×	×	×	UART CTS		UART RXD
	PxOUT	0x29											
	PxDIR	0x2A									0		X
	PxSEL	0x2E									0		1
	PxREN	0x2F									0		0
Input port/Function 1 = pullup, 0 = pulldown 0 = input, 1 = output 0 = I/O, 1 = Peripheral 1 = Pull Enabled	P3IN		×	×	×	×	×	×	×	×			
	PxOUT												
	PxDIR												
	PxSEL												
	PxREN												
Input port/Function 1 = pullup, 0 = pulldown 0 = input, 1 = output 0 = I/O, 1 = Peripheral 1 = Pull Enabled	P4IN	0x1C	×	×	×	×	×	×	×	×	DSCSW_STS		
	PxOUT	0x1D											
	PxDIR	0x1E									0	1	
	PxSEL	0x1F									0	0	
	PxREN	0x10									0	0	X

Page 2

# Sheet1

1 = pullup, 0 = pulldown  
 0 = input, 1 = output  
 0 = I/O, 1 = Peripheral  
 1 = Pull Enabled

PxOUT 0x0A  
 PxDIR 0x0C  
 PxSEL 0x0E  
 PxREN 0x16

1	1	1
1	1	1
0	0	0
0	0	0

Input port/Function  
 1 = pullup, 0 = pulldown  
 0 = input, 1 = output  
 0 = I/O, 1 = Peripheral  
 1 = Pull Enabled

P10IN 0x09  
 PxOUT 0x0B  
 PxDIR 0x0D  
 PxSEL 0x0F  
 PxREN 0x17

×	×	×	×	×	×	×	×	×	×	×	×
---	---	---	---	---	---	---	---	---	---	---	---

4	3	2	1	0	Word.
ected					
UART TXD					
X				UART RTS	This is UCA0. Also, CTS and RTS are connected as general logic
1				1	0x01
0				0	0x30
				0	0x00
J4 SCLK					
J4 MISO					
J4 MOSI					
This is USB0					
	1	1	0		0xC0
	1	1	1		0x0E
	0	0	0		0x00
X CS0					
CS1					
X QRESET					
	1	1		1	0x4D
	0	0		0	0x00
	0	0		0	0x00

LED9	0	0	0	LCD D3	0	1	LED1	SVSIN (unused)	0	0	0	0
LED8	0	0	0	LCD D4	0	0	/CI, /PBIN		0	0	0	0
LED7	0	0	0	LCD D5	0	0	Buffer DIR		0	0	0	0
LED6	0	0	0	LCD D6	0	0	LCD_BKLT		0	0	0	0
LED5	0	0	0	LCD D7	0	0	OUT01		0	0	0	0

Yes, bits are backwards.  
Also, this is a bi-directional bus.

0xF0  
0xF7  
0x00  
0x00

0x00  
0x00  
0x00

essor variant

X	1	1	1	1	1	0xFF
	1	1	1	1	1	0xFF
	0	0	0	0	0	0x00
	0	0	0	0	0	0x00
	RS	R/W	E	/LCD_ON		
	1	1	0	1		0x05
	1	1	1	1		0x0F
	0	0	0	0		0x00
	0	0	0	0		0x00