

A

B

C

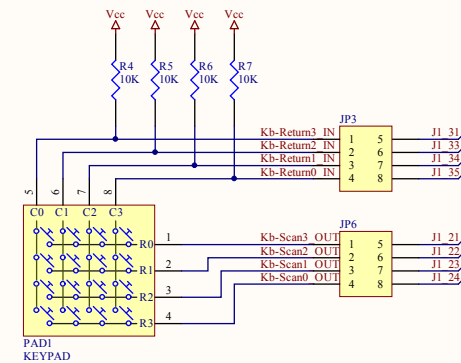
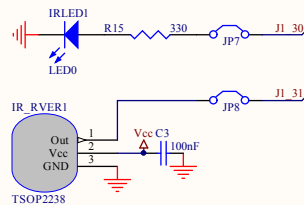
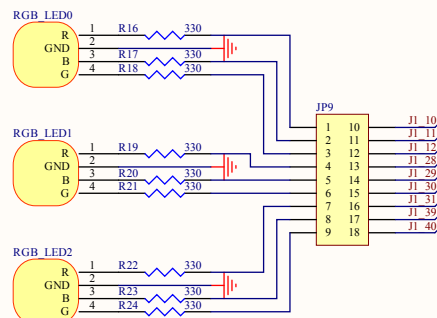
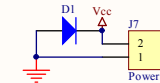
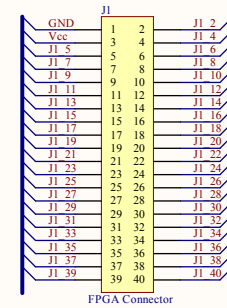
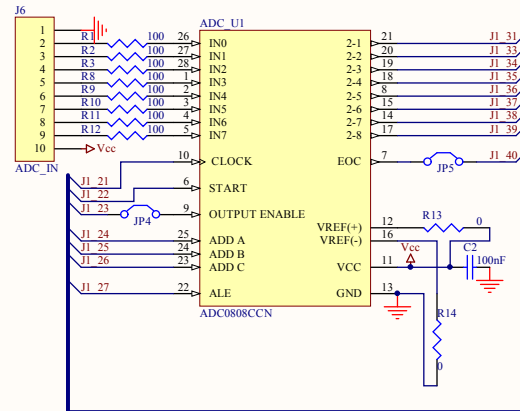
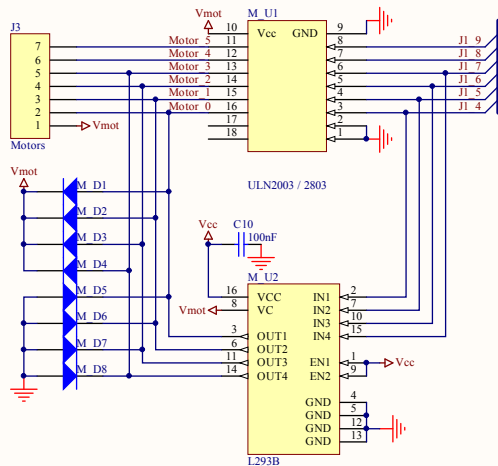
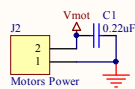
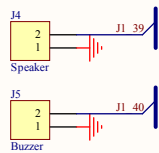
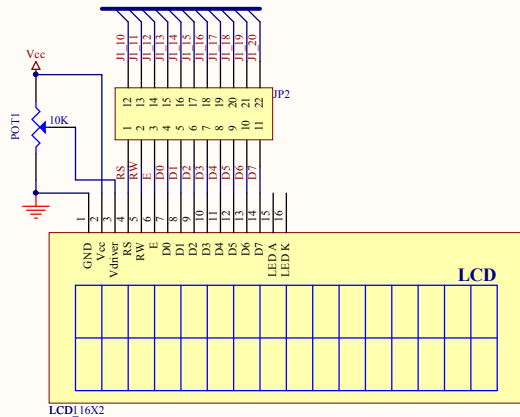
D

A

B

C

D



Title				FPGA IO Extension			
Size		Number			Revision		
A3					1.0		
Date:		16/12/2013		Sheet of			
File:		C:\Documents and Settings\ \FPGA IO Extension.sch		DragonTech			

Connections Between the XST-4.0 Board and the Various XSA Boards

XStend Board					XSA-3S1000	JP3,JP6 JP4, JP5 JP2 JP1 JP7, JP8 JP9										
Proto. Pin	Net Name	Direction	LEDs	Switches	FPGA Pin	J1	Teclado	Adc	LCD	DotMatrix	IR	Leds	Altavoz	Zumbador	Motor	
52	GND				GND	1										
22	+2.5V				+2.5V											
54	+3.3V				+3.3V											
2	+5V				+5V											
23	I2C-SCL	OUT			F5											
24	I2C-SDA	IN/OUT			D2											
79	ETHER-IRQ	IN	BAR6		L15	4										Out-0
57	PB-A0	OUT	BAR1	PB2	L5	5										Out-1
56	PB-A1	OUT	BAR2	PB3	N2	6										Out-2
51	PB-A2	OUT	BAR3	PB4	M3	7										Out-3
50	PB-A3	OUT	BAR4		N1	8										Out-4
70	PB-A4	OUT	BAR5		T13	9										Out-5
71	PB-D0	IN/OUT		DIPSW1	P12	10										
40	PB-D1	IN/OUT		DIPSW2	J1	11										
39	PB-D2	IN/OUT		DIPSW3	H1	12										
38	PB-D3	IN/OUT		DIPSW4	H3	13										
35	PB-D4	IN/OUT		DIPSW5	G2	14										
80	PB-D5	IN/OUT		DIPSW6	K15	15										
81	PB-D6	IN/OUT		DIPSW7	K16	16										
10	PB-D7	IN/OUT		DIPSW8	F15	17										
27	PB-D8	IN/OUT	LED2-A		E2	18										
28	PB-D9	IN/OUT	LED2-B		E1	19										
29	PB-D10	IN/OUT	LED2-C		F3	20										
32	PB-D11	IN/OUT	LED2-D		F2	21	Scan-3	Clock								
33	PB-D12	IN/OUT	LED2-E		G4	22	Scan-2	Start								
34	PB-D13	IN/OUT	LED2-F		G3	23	Scan-1	OE								
36	PB-D14	IN/OUT	LED2-G		G1	24	Scan-0	Address A								
37	PB-D15	IN/OUT	LED2-DP	PB1	H4	25										
61	PB-RD#	OUT			P2	26										
62	PB-WR#	OUT			R1	27										
18	SLOT1-CS#	OUT			E15	28										R-1
84	SLOT1-IRQ	IN	BAR9		J16	29										B-1
19	SLOT2-CS#	OUT			D16	30										Out-01
83	SLOT2-IRQ	IN	BAR10		J14	31	Return-3	In-0								G-1
1	VIDIN-CLK	IN			H16											In-01
4	VIDIN-Y0	IN	LED1-A		H14	33	Return-2	In-1								
59	VIDIN-Y1	IN	LED1-B		M4	34	Return-1	In-2								
58	VIDIN-Y2	IN	LED1-C		P1	35	Return-0	In-3								
60	VIDIN-Y3	IN	LED1-D		N3	36										In-4
78	VIDIN-Y4	IN	LED1-E		M15	37										In-5
5	VIDIN-Y5	IN	LED1-F		H13	38										In-6
6	VIDIN-Y6	IN	LED1-G		G16	39										In-7
77	VIDIN-Y7	IN	LED1-DP		N15	40										EOC
												B-2	Out-0			
												G-2		Out-0		