

5

4

3

2

1

D

D

C

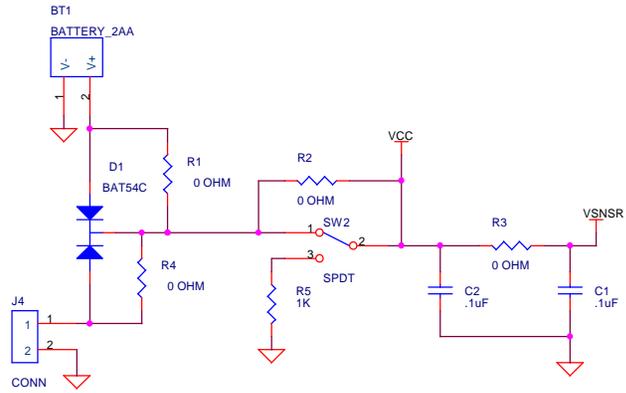
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B

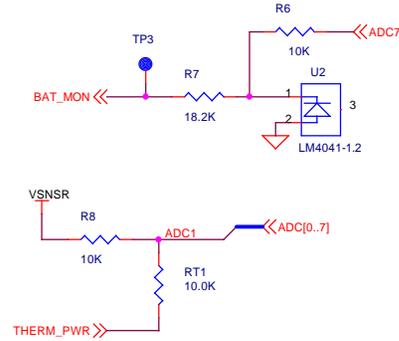
B

A

A



BOARD OPTIONS	
R1	INSTALL
R2	NOT INSTALLED
R4	NOT INSTALLED
R8	NOT INSTALLED
RT1	NOT INSTALLED



5

4

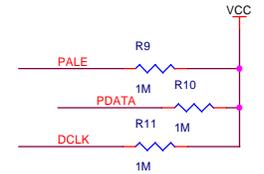
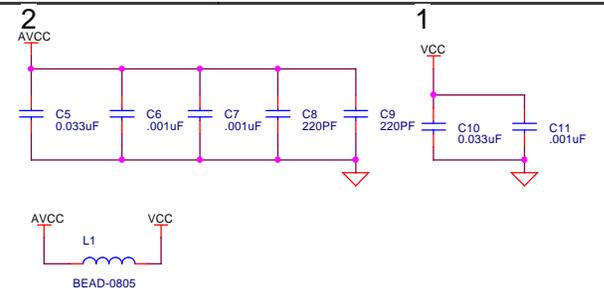
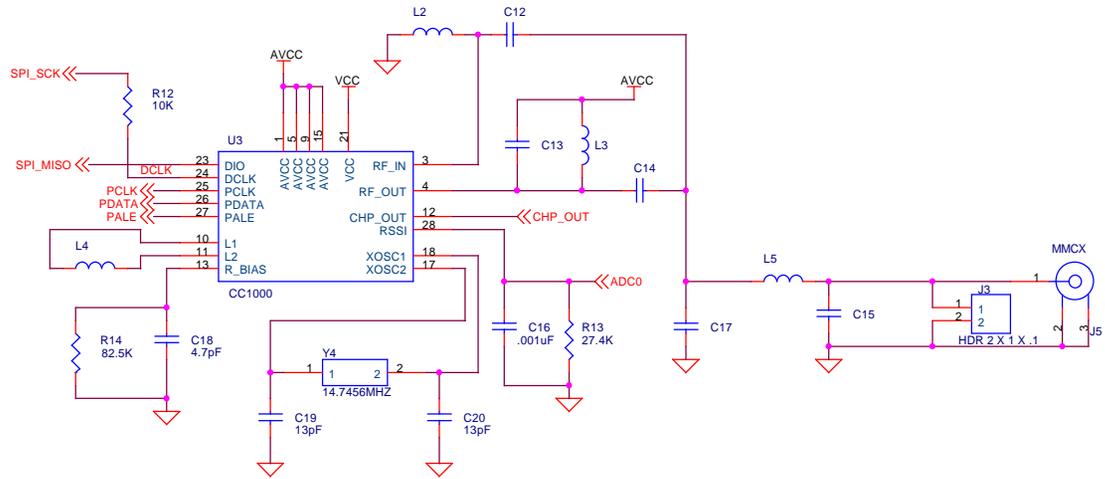
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2

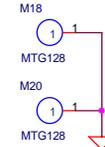
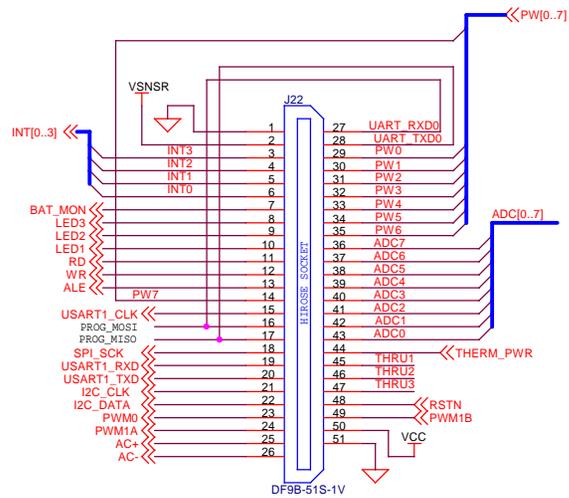
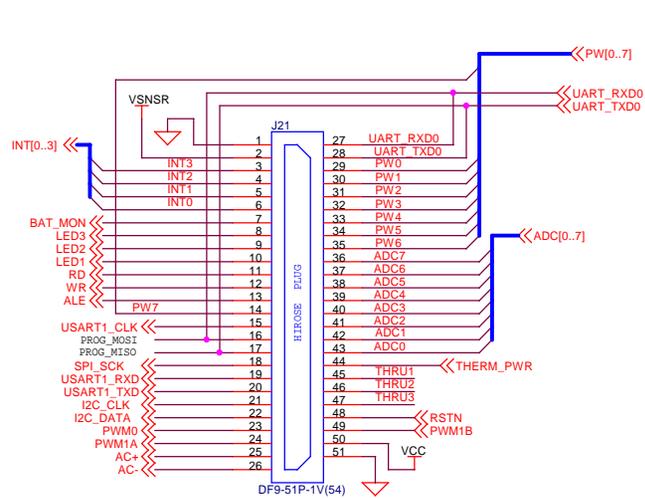
1

CROSSBOW TECHNOLOGY, INC.		
Title		
MICA2 MPR410CB-433MHZ		
Size	Document Number	Rev
B	6310-0306-01	A
Date:	Tuesday, March 04, 2003	Sheet 1 of 4

RADIO CONTROL	
PCLK	
PDATA	
PALE	
RADIO DATA	
SPI_SCK	
SPI_MOSI	
SPI_MISO	
CHP_OUT	
ADC0 (RSSI)	



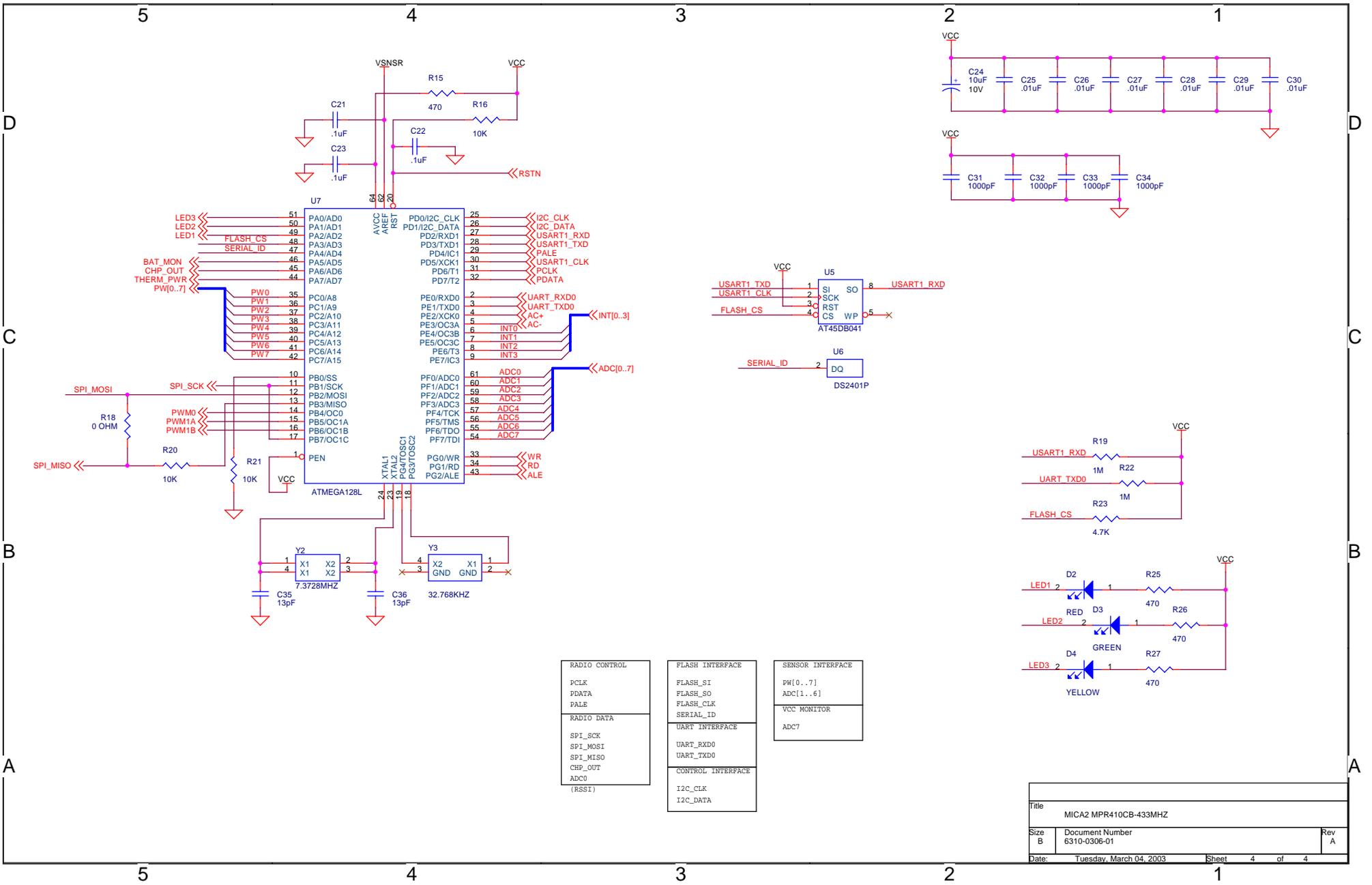
Title		
MIC2A2 MPR410CB-433MHZ		
Size	Document Number	Rev
B	6310-0306-01	A
Date:	Tuesday, March 04, 2003	Sheet 2 of 4



PIN	NAME	DESCRIPTION
1	GND	GROUND
2	VNSNR	SENSOR SUPPLY
3	INT3	GPIO
4	INT2	GPIO
5	INT1	GPIO
6	INT0	GPIO
7	BAT_MON	BATTERY VOLTAGE MONITOR ENABLE
8	LED3	LED3
9	LED2	LED2
10	LED1	LED1
11	RD	GPIO
12	WR	GPIO
13	ALE	GPIO
14	PW7	POWER CONTROL 7
15	USART1_CLK	USART1 CLOCK
16	PROG_MOSI	SERIAL PROGRAM MOSI
17	PROG_MISO	SERIAL PROGRAM MISO
18	SPI_SCK	SPI SERIAL CLOCK
19	USART1_RXD	USART1 RX DATA
20	USART1_TXD	USART1 TX DATA
21	I2C_CLK	I2C BUS CLOCK
22	I2C_DATA	I2C BUS DATA
23	PWM0	GPIO/PWM0
24	PWM1A	GPIO/PWM1A
25	AC+	GPIO/AC+
26	AC-	GPIO/AC-

PIN	NAME	DESCRIPTION
27	UART_RXD0	UART_0 RECEIVE
28	UART_TXD0	UART_0 TRANSMIT
29	PW0	POWER CONTROL 0
30	PW1	POWER CONTROL 1
31	PW2	POWER CONTROL 2
32	PW3	POWER CONTROL 3
33	PW4	POWER CONTROL 4
34	PW5	POWER CONTROL 5
35	PW6	POWER CONTROL 6
36	ADC7	ADC INPUT 7 - BATTERY MONITOR/JTAG TDI
37	ADC6	ADC INPUT 6 / JTAG TDO
38	ADC5	ADC INPUT 5 / JTAG TMS
39	ADC4	ADC INPUT 4 / JTAG TCK
40	ADC3	ADC INPUT 3
41	ADC2	ADC INPUT 2
42	ADC1	ADC INPUT 1
43	ADC0	ADC INPUT 0 / RSSI MONITOR
44	THERM_PWR	TEMP SENSOR ENABLE
45	THRU1	THRU CONNECT 1
46	THRU2	THRU CONNECT 2
47	THRU3	THRU CONNECT3
48	RSTN	RESET (NEG)
49	PWMLB	GPIO/PWMLB
50	VCC	DIGITAL SUPPLY
51	GND	GROUND

CROSSBOW TECHNOLOGY, INC.		
Title		
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RADIO CONTROL	
PCLK	
PDATA	
PALE	
RADIO DATA	
SPI_SCK	
SPI_MOSI	
SPI_MISO	
CHP_OUT	
ADC0	
(RSSI)	

FLASH INTERFACE	
FLASH_SI	
FLASH_SO	
FLASH_CLK	
SERIAL_ID	
UART INTERFACE	
UART_RXD0	
UART_TXD0	
CONTROL INTERFACE	
I2C_CLK	
I2C_DATA	

SENSOR INTERFACE	
PW[0..7]	
ADC[1..6]	
VCC MONITOR	
ADC7	

Title		
MICA2 MPR410CB-433MHZ		
Size	Document Number	Rev
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