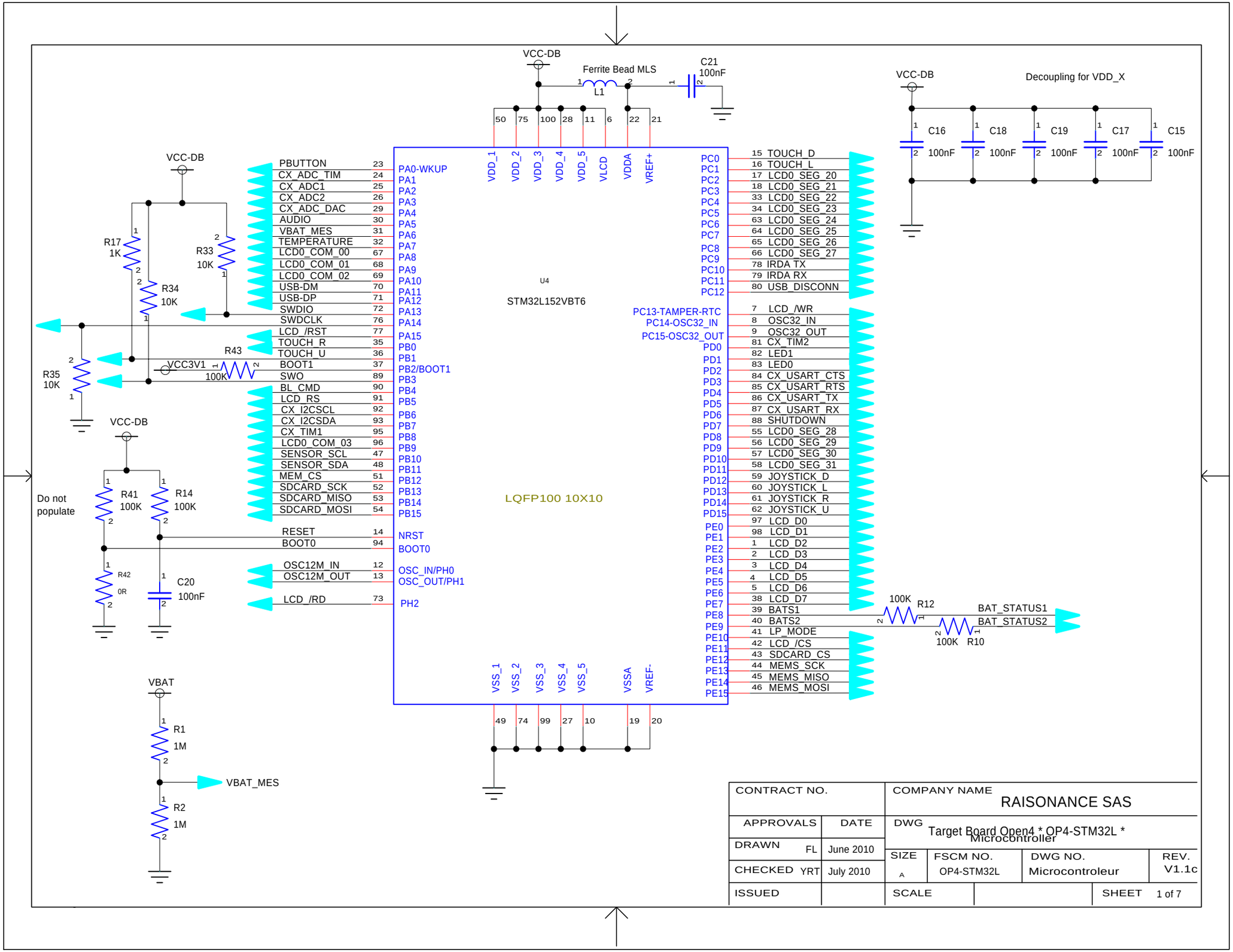
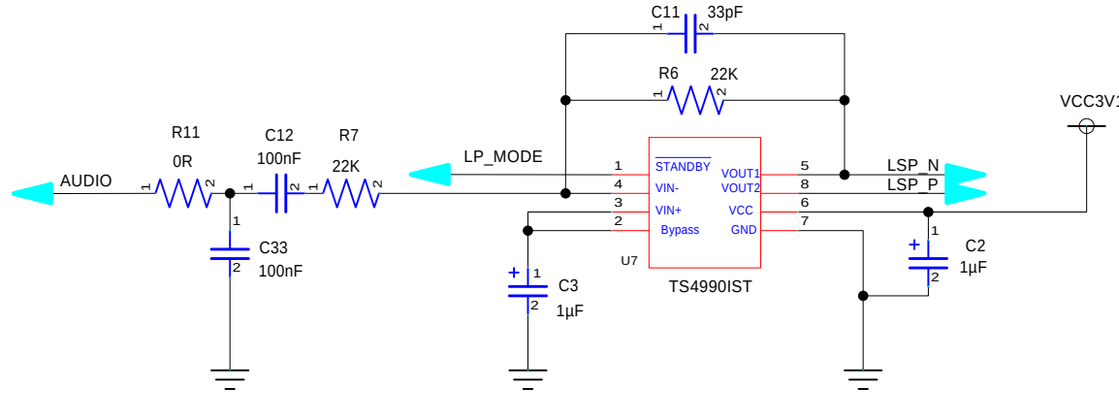


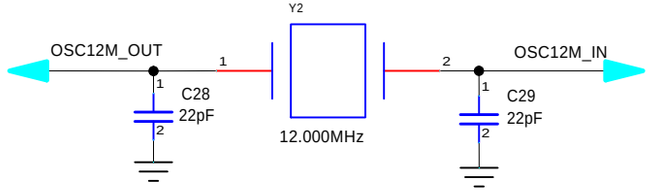
CONTRACT NO.		COMPANY NAME	RAISONANCE SAS
APPROVALS	DATE	DWG	Target Board Open4 * OP4-STM32L * Microcontroller
DRAWN FL	June 2010	SIZE A	FSCM NO. OP4-STM32L / DWG NO. Microcontroleur / REV. V1.1c
CHECKED YRT	July 2010		
ISSUED		SCALE	SHEET 1 of 7

Note : standby if LP_Mode = 0



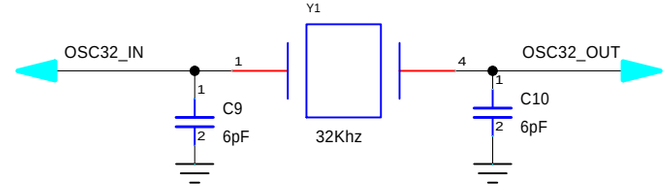
AUDIO

CONTRACT NO.		COMPANY NAME	RAISONANCE SAS
APPROVALS	DATE	DWG	Target Board Open4 * OP4-STM32L *
DRAWN FL	June 2010	SIZE A	FSCM NO. OP4-STM32L / DWG NO. AUDIO / REV. V1.1c
CHECKED YRT	July 2010		
ISSUED		SCALE	SHEET 2 of 7



Default capacity value for 12Mhz crystal: 22pF
Final value will depend on available crystal for manufacturing

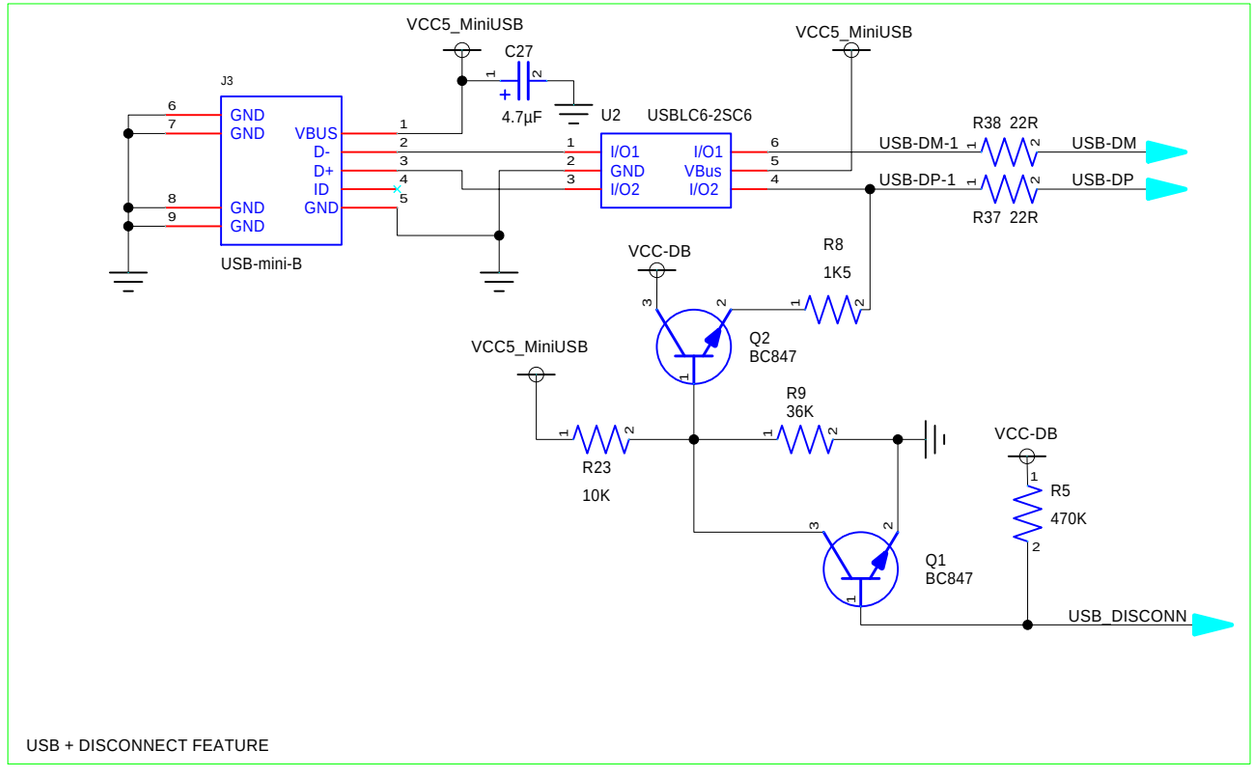
CPU clock oscillator

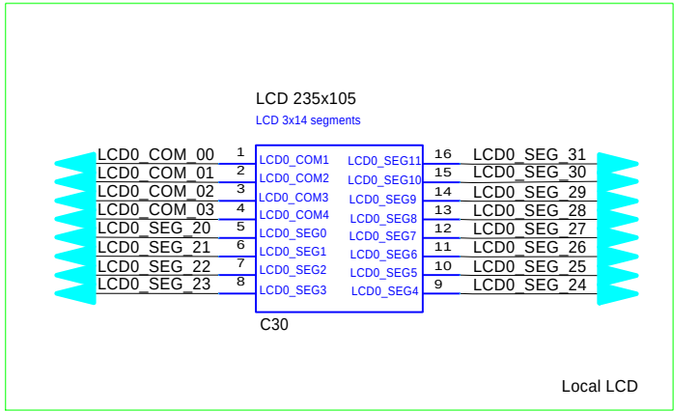


Default capacity value for 32Khz crystal: 6pF
Final value will depend on available crystal for manufacturing

RTC clock oscillator

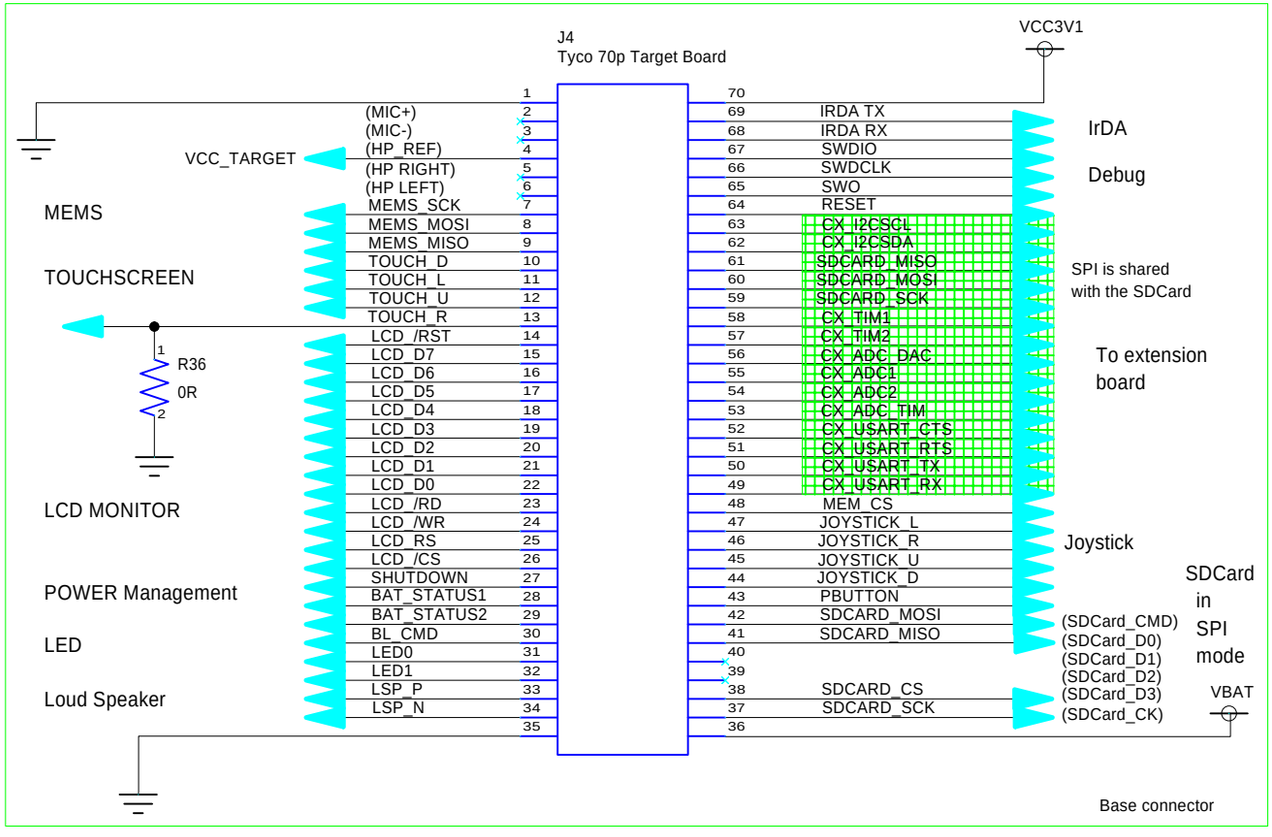
CONTRACT NO.		COMPANY NAME	RAISONANCE SAS
APPROVALS	DATE	DWG	Target Board Open4 * OP4-STM32L *
DRAWN FL	June 2010	SIZE A	FSCM NO. OP4-STM32L / DWG NO. Clock source / REV. V1.1c
CHECKED YRT	July 2010		
ISSUED		SCALE	SHEET 3 of 7





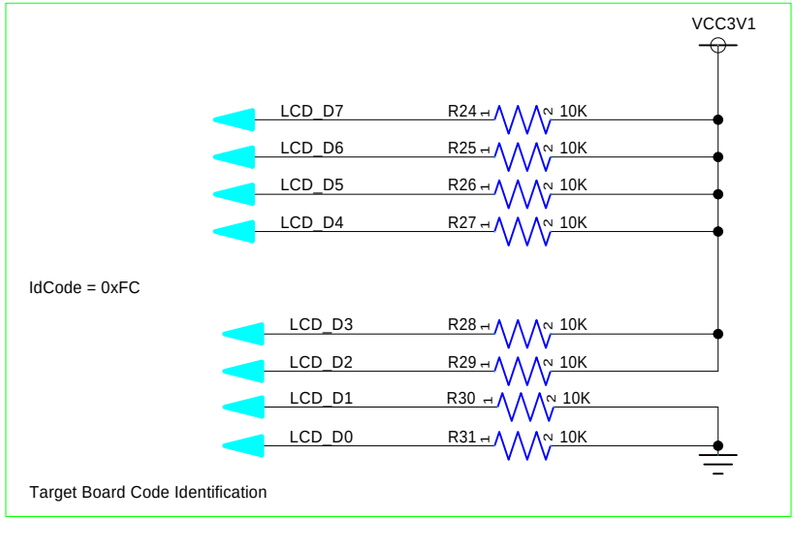
CONTRACT NO.		COMPANY NAME	RAISONANCE SAS
APPROVALS	DATE	DWG	Target Board Open4 * OP4-STM32L *
DRAWN FL	June 2010		
CHECKED YRT	July 2010	SIZE A / FSCM NO. OP4-STM32L / DWG NO. USB PERIPHERALS LCD	REV. V1.1c
ISSUED		SCALE	SHEET 4 of 7

LCD



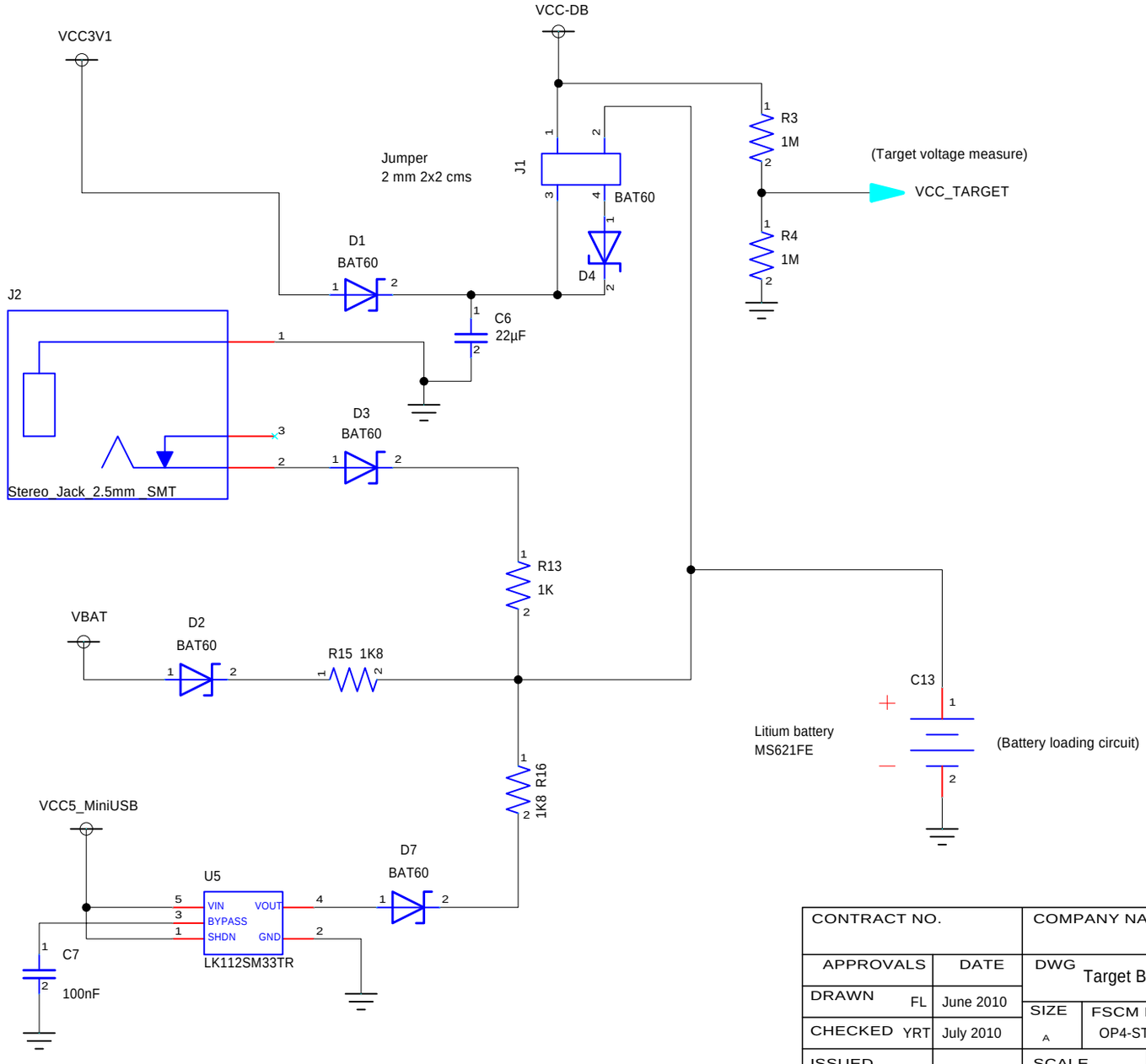
Extension Board connector

Extension Board printed name:	JP2 Extension connector:	J4 Target Board connector:	Target Board signals:
V2V8	1	70	VCC3V1
GND	2	1	GND
SCL	3	63	CX_I2CSCL
SDA	4	62	CX_I2CSDA
MISO	5	61	SDCARD_MISO
SD	6	60	SDCARD_MOSI
SCK	7	59	SDCARD_SCK
WS	8	58	CX_TIM1
CANH	9	57	CX_TIM2
CANL	10	56	CX_ADC_DAC
ADC1	11	55	CX_ADC1
ADC2	12	54	CX_ADC2
A_TIM	13	53	CX_ADC_TIM
CTS	14	52	CX_USART_CTS
RTS	15	51	CX_USART_RTS
TX	16	50	CX_USART_TX
CK	17	43	P_BUTTON
RX	18	49	CX_USART_RX
VEXT	19	36	VBAT
GND	20	35	GND

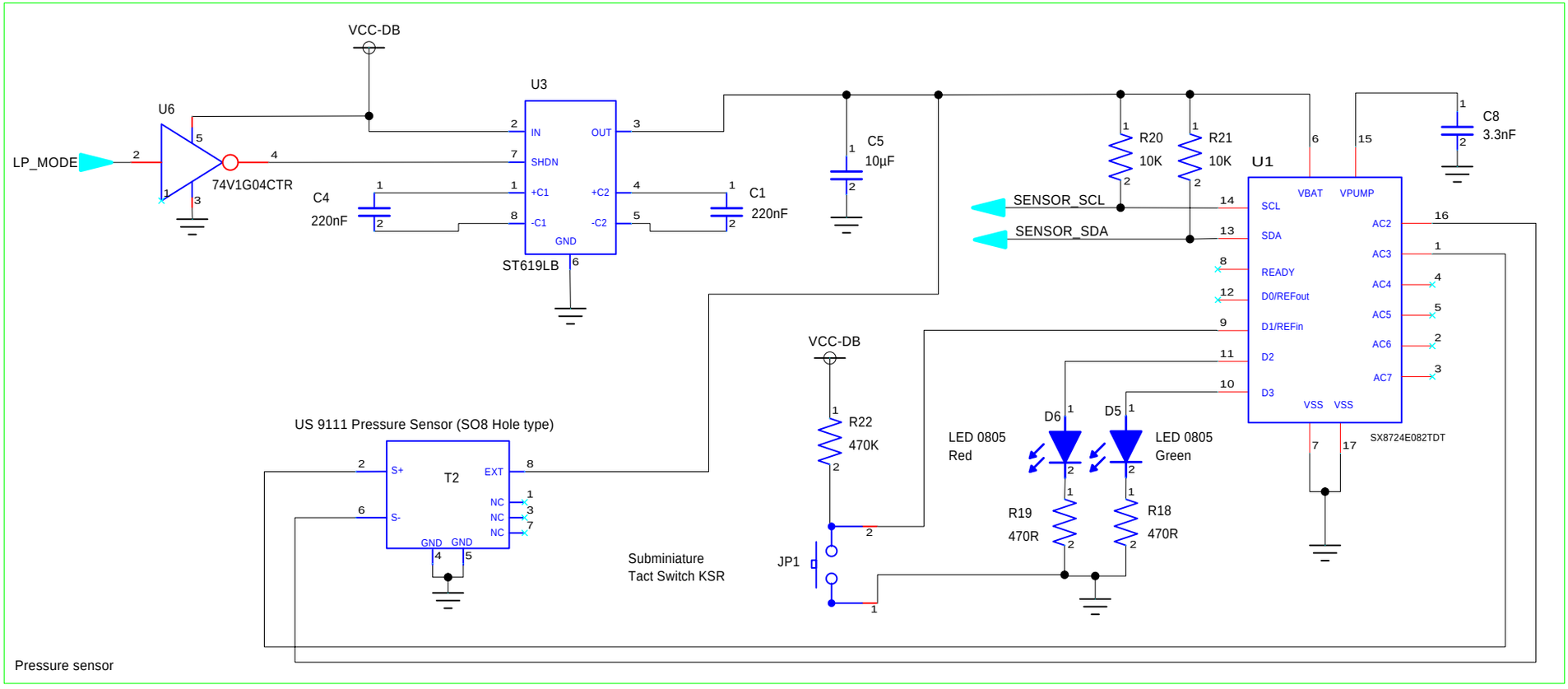


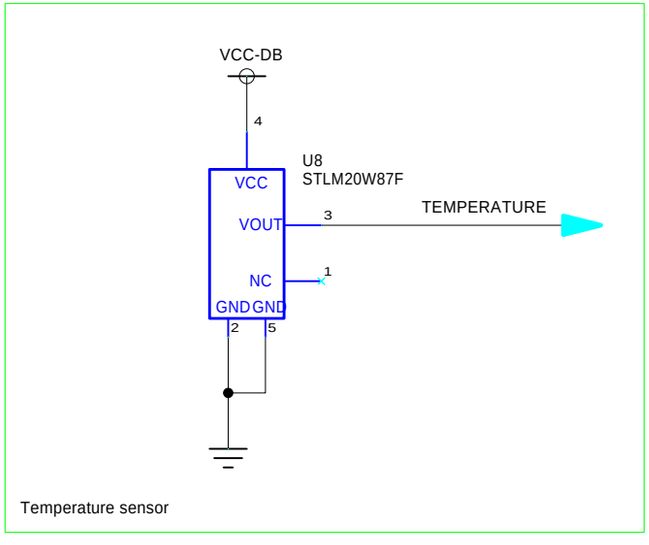
CONTRACT NO.		COMPANY NAME	RAISONANCE SAS
APPROVALS	DATE	DWG	Target Board Open4 * OP4-STM32L *
DRAWN FL	June 2010	SIZE A	FSCM NO. OP4-STM32L / DWG NO. Base connector / REV. V1.1c
CHECKED YRT	July 2010		
ISSUED		SCALE	SHEET 5 of 7

Primer connector



CONTRACT NO.		COMPANY NAME	RAISONANCE SAS
APPROVALS	DATE	DWG	Target Board Open4 * OP4-STM32L *
DRAWN FL	June 2010	SIZE A	FSCM NO. OP4-STM32L / DWG NO. Power Supply / REV. V1.1c
CHECKED YRT	July 2010		
ISSUED		SCALE	SHEET 6 of 7





CONTRACT NO.		COMPANY NAME	RAISONANCE SAS
APPROVALS	DATE	DWG	Target Board Open4 * OP4-STM32L *
DRAWN FL	June 2010	SIZE A	FSCM NO. OP4-STM32L / DWG NO. Sensors / REV. V1.1c
CHECKED YRT	July 2010		
ISSUED		SCALE	SHEET 7 of 7