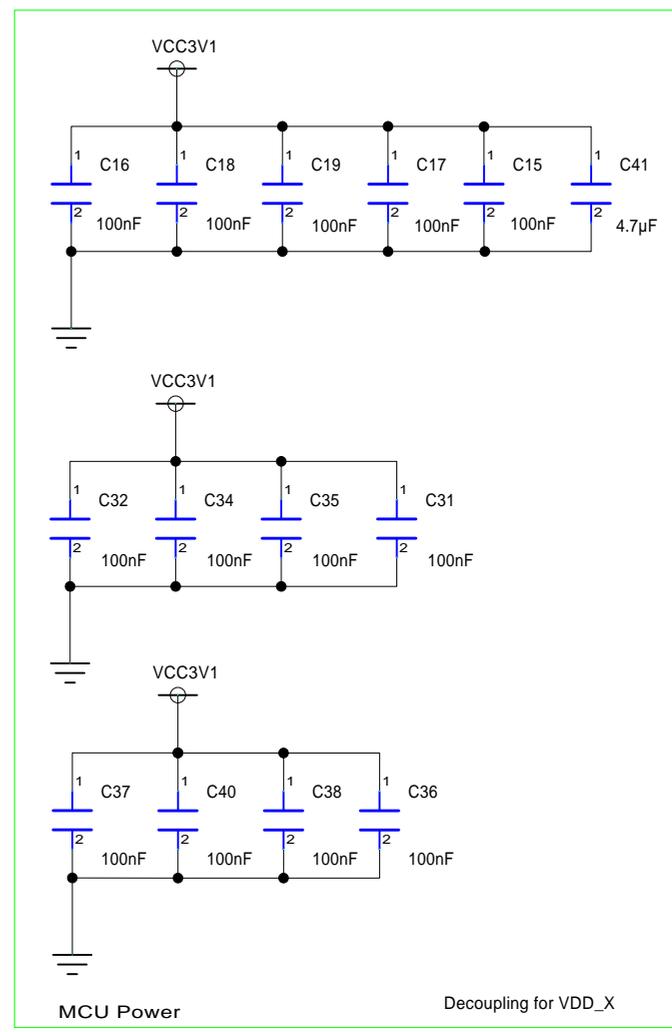
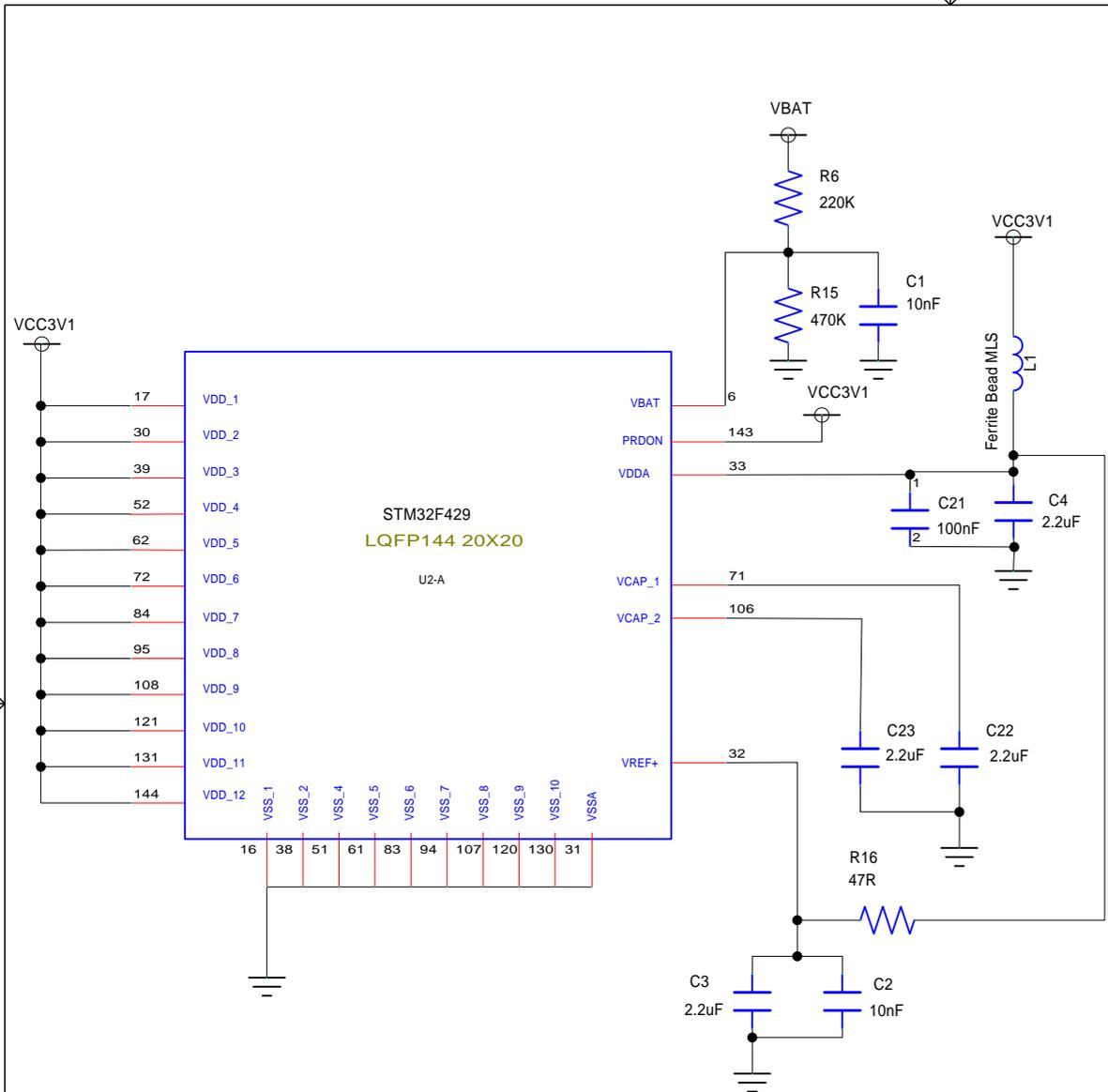
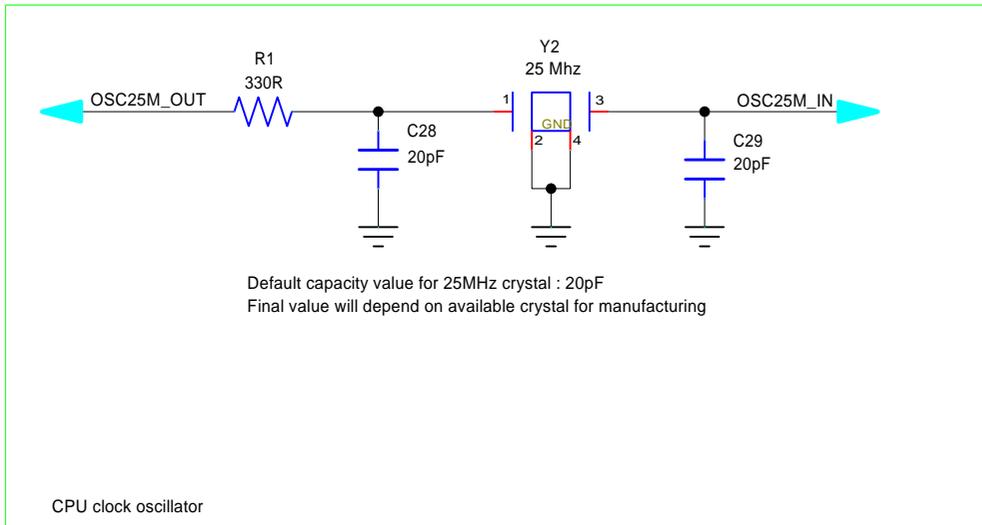


Connexion directe de VBUS à vérifier!!!

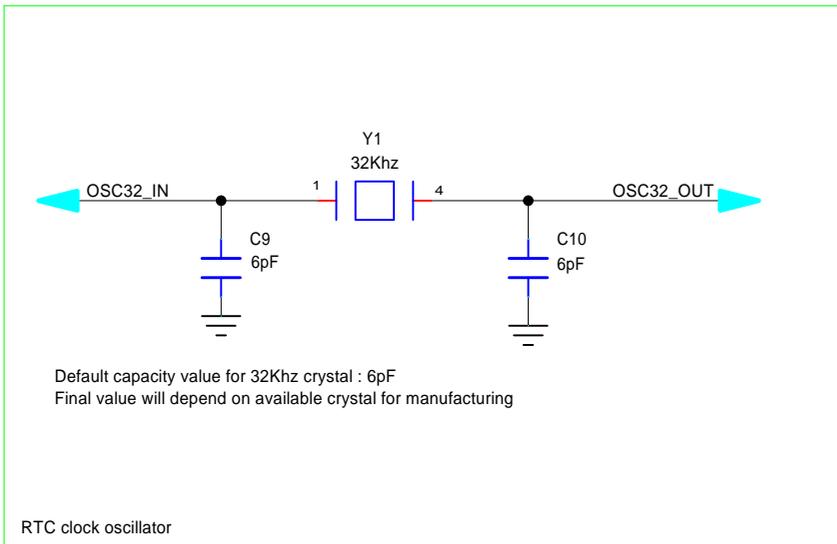
CONTRACT NO.		COMPANY NAME KEOLABS SAS			
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *			
DRAWN		SIZE A	FSCM NO. OP4-STM32F42x	DWG NO. MCU 1/3	REV. V1.1
CHECKED	JE 06/2013	SCALE		SHEET 1 of 10	
ISSUED					



CONTRACT NO.		COMPANY NAME KEOLABS SAS			
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *			
DRAWN		SIZE A	FSCM NO. OP4-STM32F42x	DWG NO. MCU 3/3	REV. V1.1
CHECKED JE	06/2013	SCALE			SHEET 3 of 10
ISSUED					

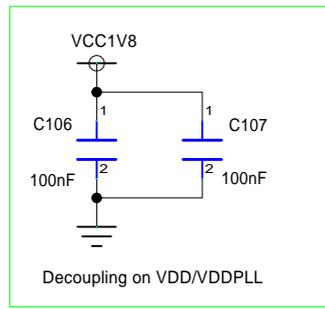
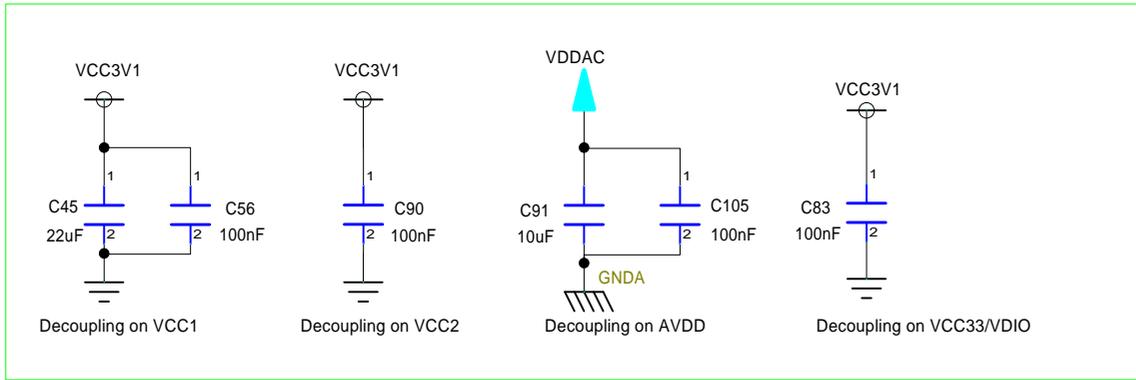
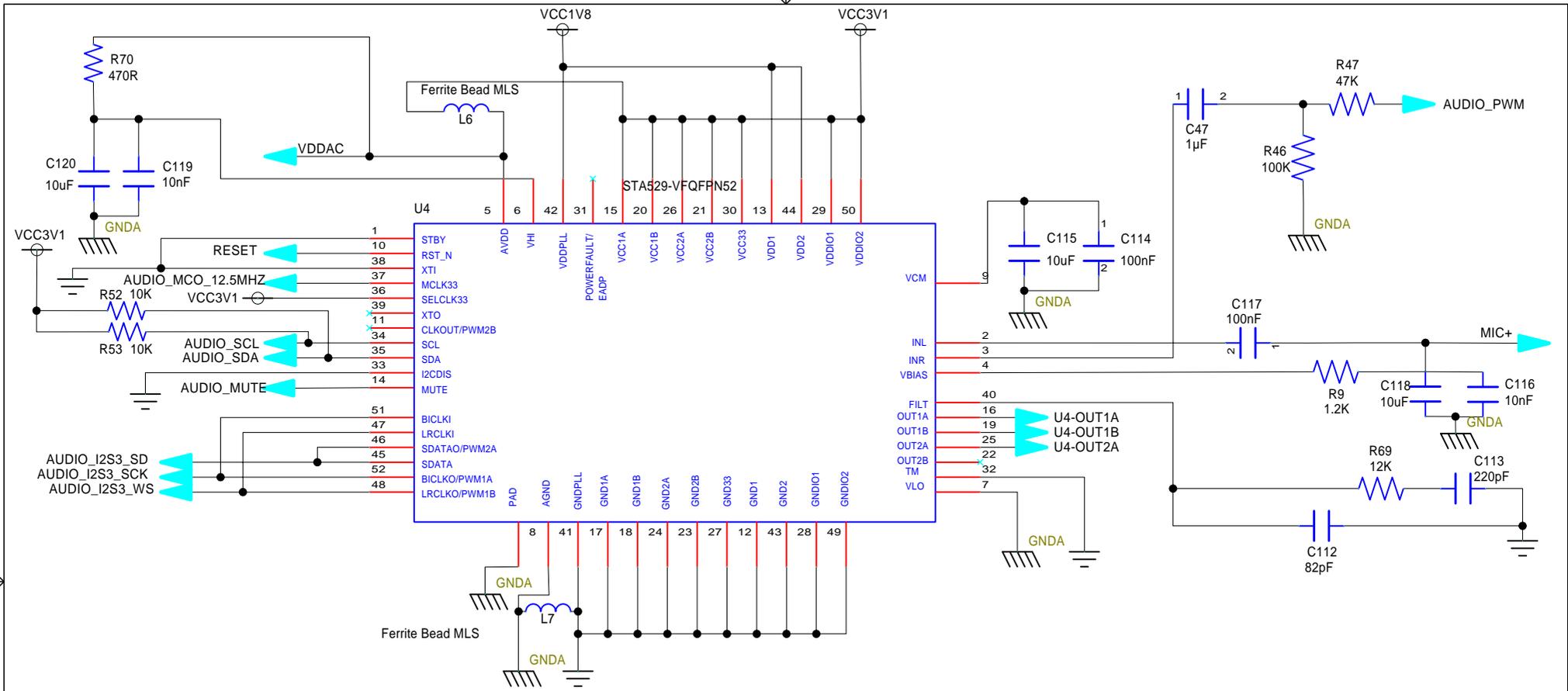


CPU clock oscillator

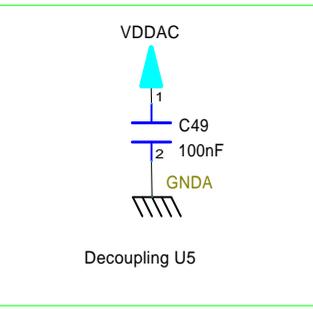
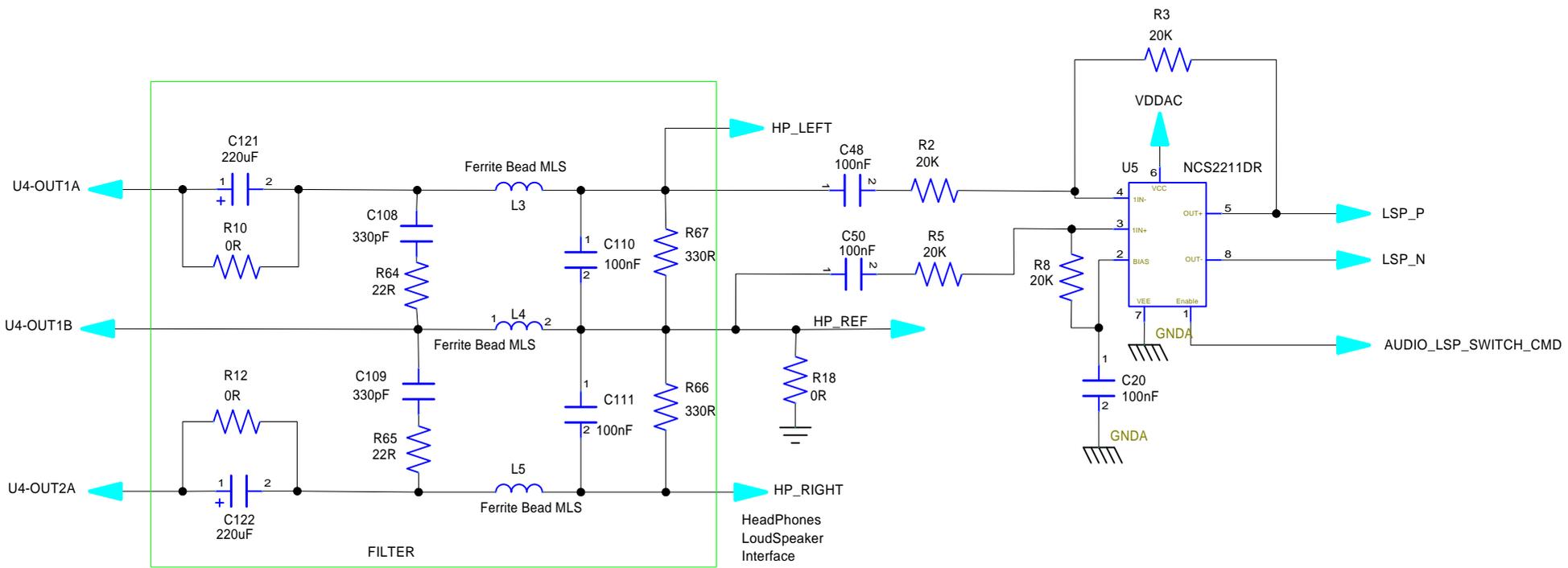


RTC clock oscillator

CONTRACT NO.		COMPANY NAME KEOLABS SAS			
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *			
DRAWN		SIZE	FSCM NO.	DWG NO.	REV.
CHECKED JE	06/2013	A	OP4-STM32F42x	CLOCK	V1.1
ISSUED		SCALE		SHEET 4 of 10	

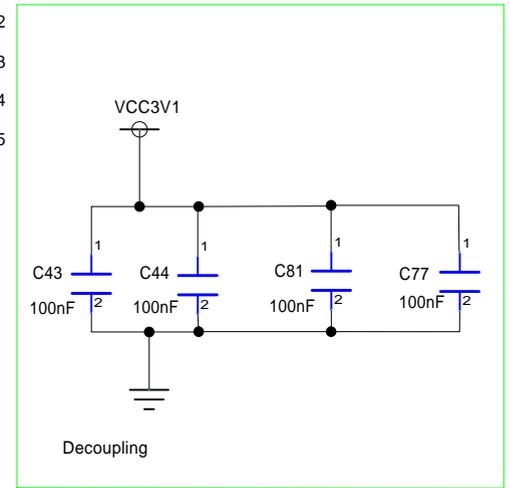
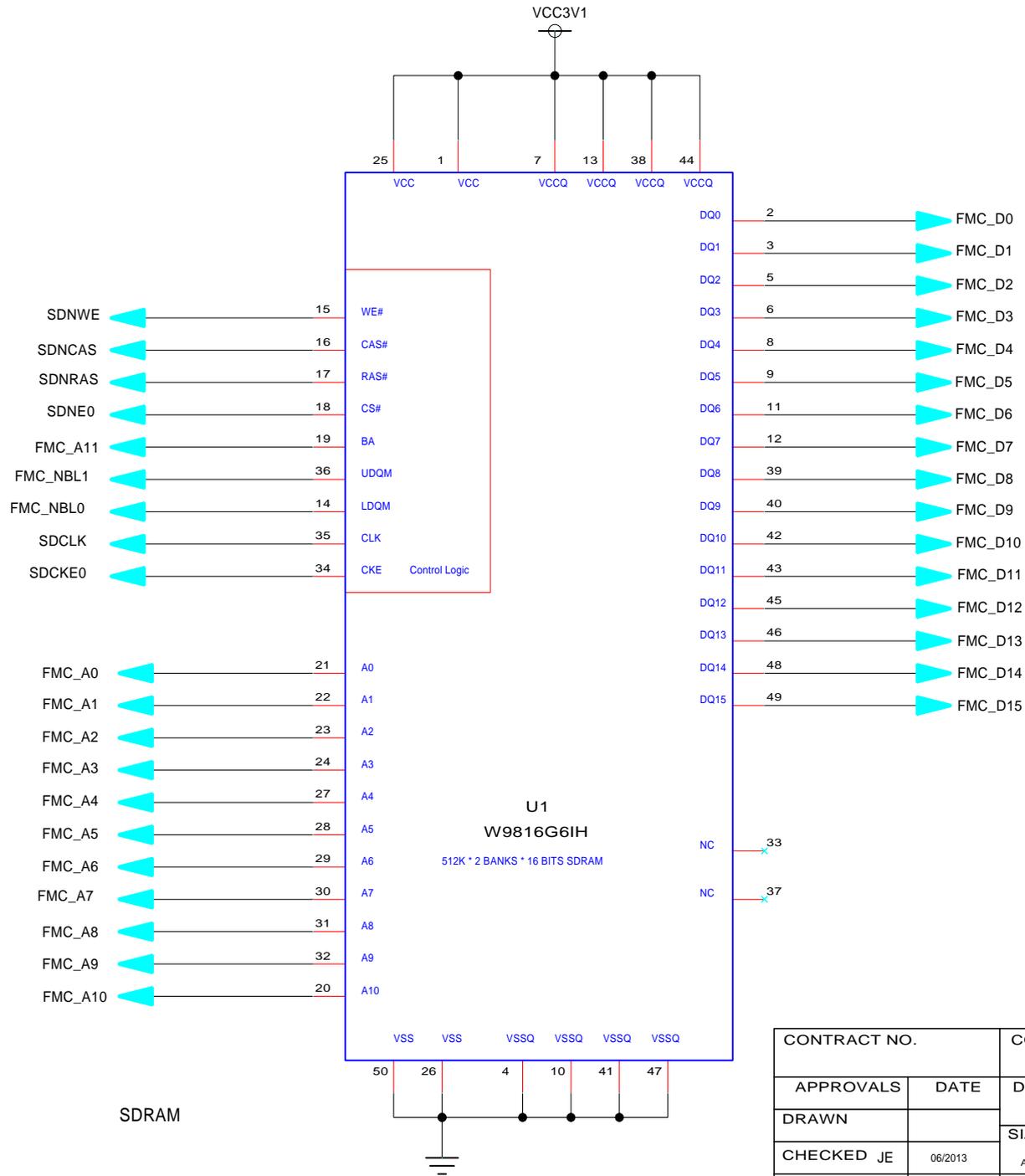


CONTRACT NO.		COMPANY NAME KEOLABS SAS			
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *			
DRAWN		SIZE A	FSCM NO. OP4-STM32F42x	DWG NO. AUDIO	REV. V1.1
CHECKED JE	06/2013	SCALE		SHEET 5 of 10	
ISSUED					

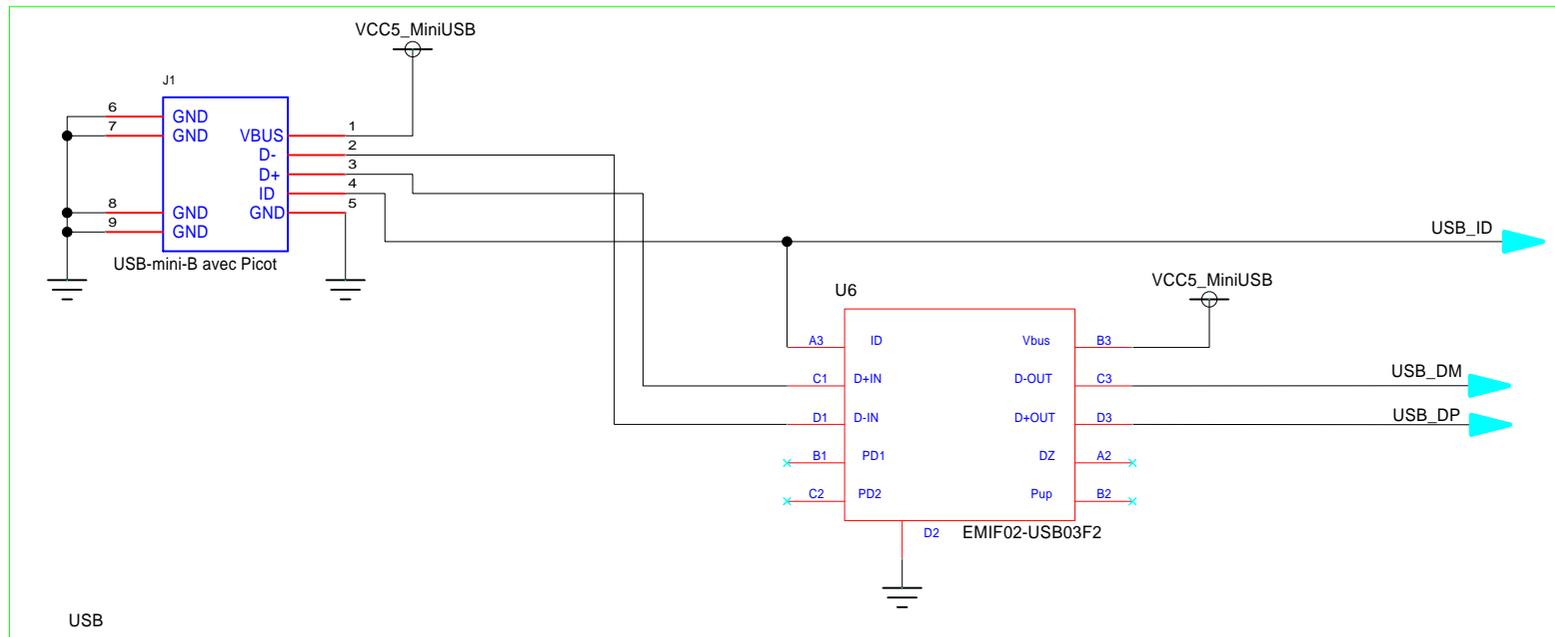


FILTER	
ST_SPEARS	ST_AGRATE
R10, R12, R5 => NC	C121, C122 => NC
R64 to R67 => NC	C110, C111 => 100nF
R18, R8 => 0R	R18 => NC
C110, C111 => 100pF	R8 => 20K
C50, C108, C109 => NC	
L4 => NC	

CONTRACT NO.		COMPANY NAME KEOLABS SAS			
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *			
DRAWN		SIZE A	FSCM NO. OP4-STM32F42x	DWG NO. AUDIO 2	REV. V1.1
CHECKED JE	06/2013	SCALE			SHEET 6 of 10
ISSUED					

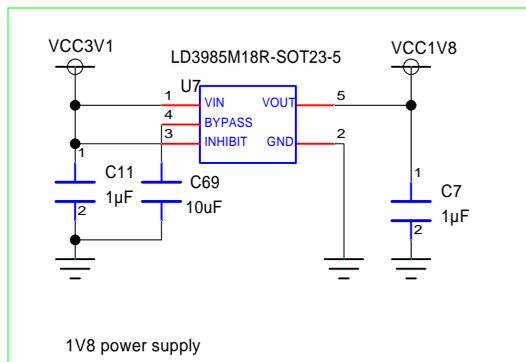
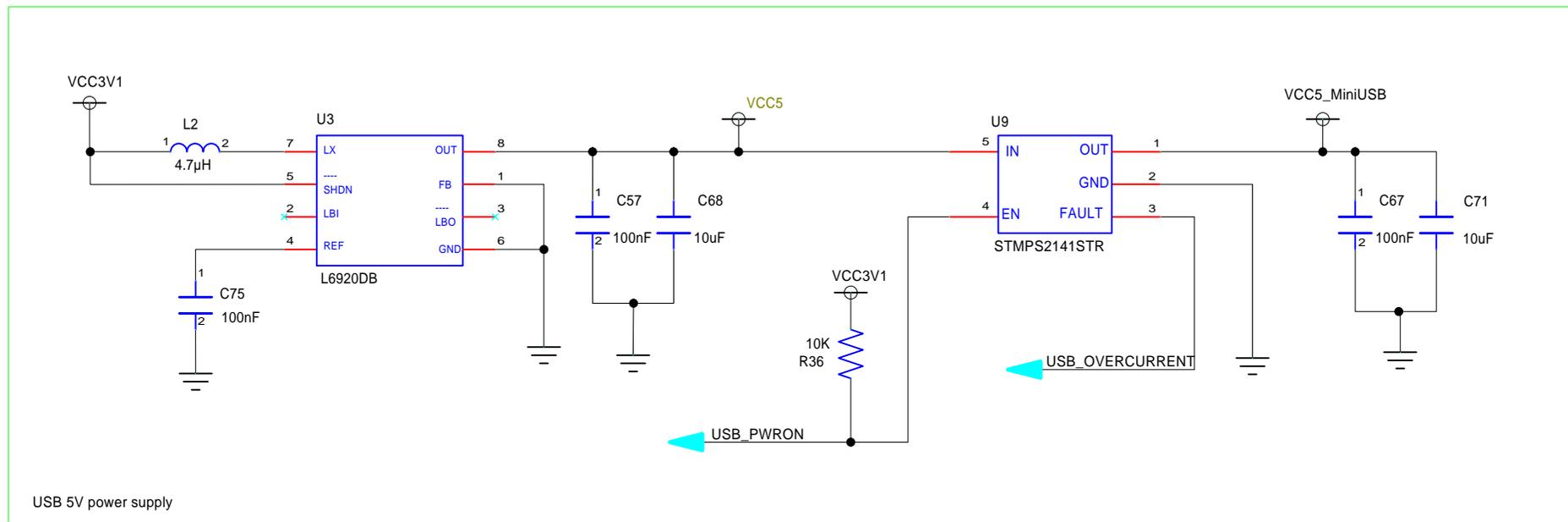


CONTRACT NO.		COMPANY NAME KEOLABS SAS			
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *			
DRAWN		SIZE A	FSCM NO. OP4-STM32F42x	DWG NO. SDRAM	REV. V1.1
CHECKED JE	06/2013	SCALE		SHEET 7 of 10	
ISSUED					

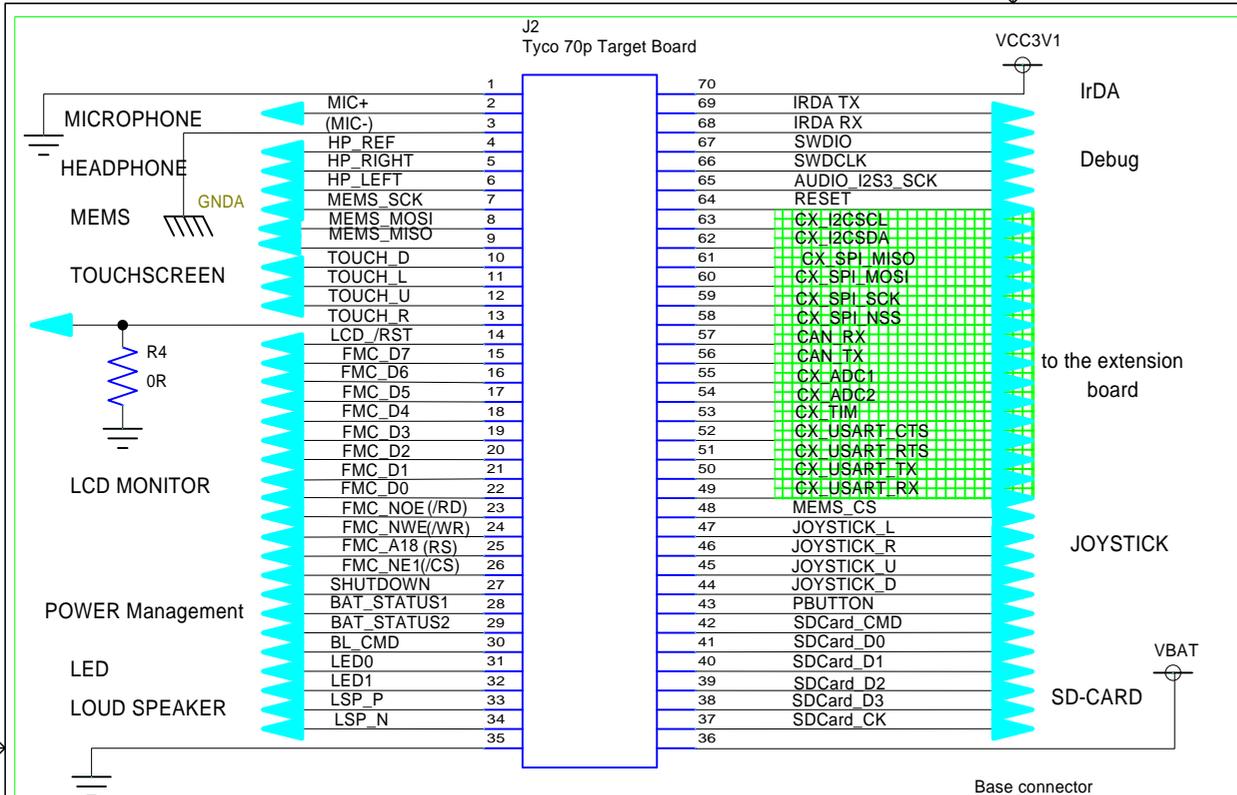


USB

CONTRACT NO.		COMPANY NAME KEOLABS SAS		
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *		
DRAWN		SIZE A	FSCM NO. OP4-STM32F42x	DWG NO. USB OTG FS
CHECKED JE	06/2013			REV. V1.1
ISSUED		SCALE		SHEET 8 of 10

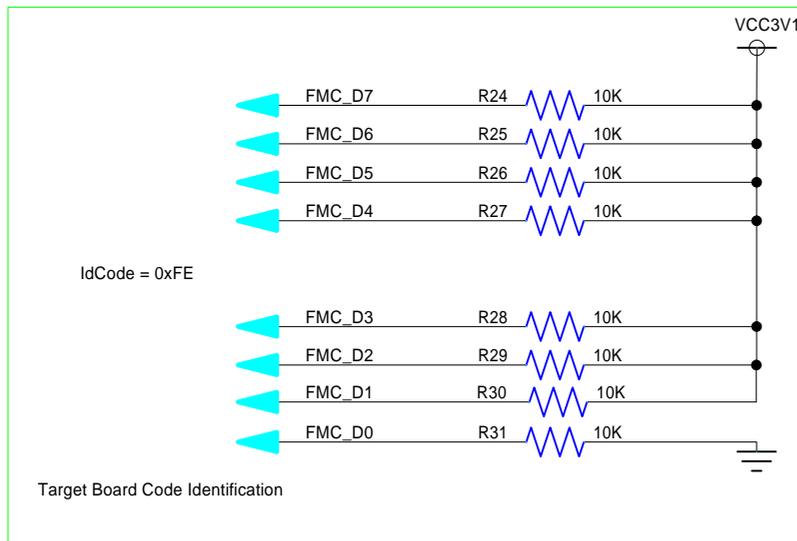


CONTRACT NO.		COMPANY NAME KEOLABS SAS			
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *			
DRAWN		SIZE	FSCM NO.	DWG NO.	REV.
CHECKED JE	06/2013	A	OP4-STM32F42x	POWER SUPPLIES	V1.1
ISSUED		SCALE		SHEET 9 of 10	



Extension Board connector			
Daughter Board printed name:	JP2 Extension connector:	J6 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	CX_SPL_MISO
SD	6	60	CX_SPL_MOSI
SCK	7	59	CX_SPICK
WS	8	58	CX_SPL_NSS
CANH	9	57	CAN_RX
CANL	10	56	CAN_TX
ADC1	11	55	CX_ADC1
ADC2	12	54	CX_ADC2
A_TIM	13	53	CX_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
VBAT	19	36	VBAT
GND	20	35	GND

Base connector



CONTRACT NO.		COMPANY NAME KEOLABS SAS			
APPROVALS	DATE	DWG Target Board Open4 * OP4-STM32F42x *			
DRAWN		SIZE	FSCM NO.	DWG NO.	REV.
CHECKED JE	06/2013	A	OP4-STM32F42x	TARGET BOARD CONNECTION	V1.1
ISSUED		SCALE		SHEET 10 of 10	