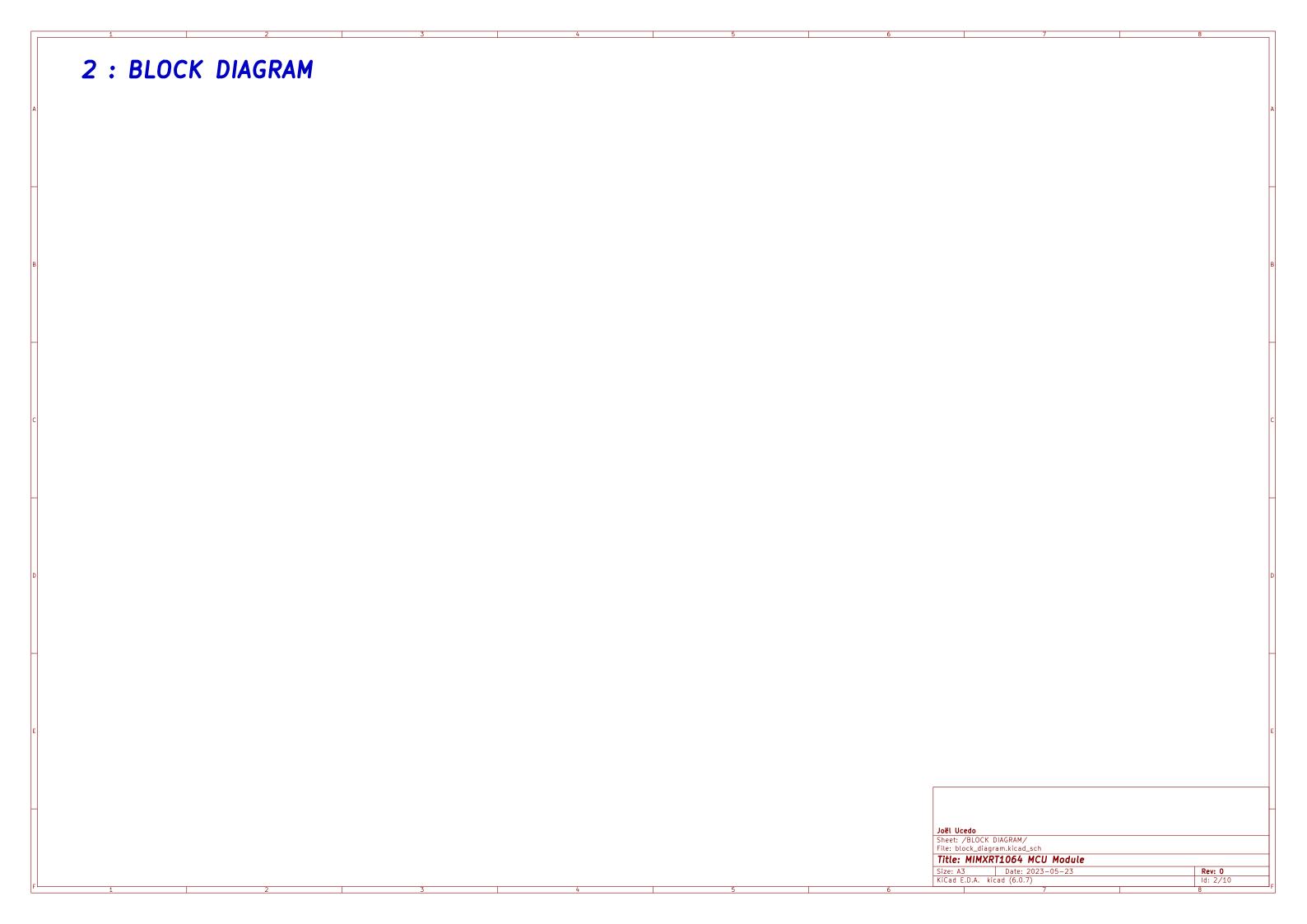
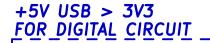
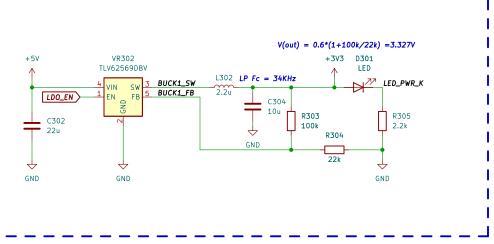
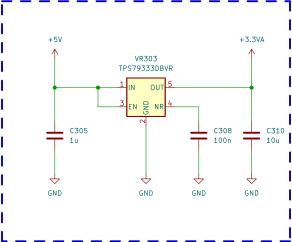
MIMXRT10	64 MCU Module - TABLE OF CONTENTS		
PAGE 1	COVER		
PAGE 2	BLOCK DIAGRAM		
PAGE 3	SUPPLIES & PMIC		
PAGE 4	MCU POWER & CRYSTALS		
PAGE 5	MCU GPIO & BUS		
PAGE 6	MEMORY		
PAGE 7	AUDIO		
PAGE 8	MIDI		
PAGE 9	POTS & ENCODER & LEDS		
PAGE 10	USB — JTAG	Joël Ucedo Sheet: / File: MIMXRT1064 MCU Module.kicad_sch Title: MIMXRT1064 MCU Module Size: A3 Date: 2023-05-23 KiCad E.D.A. kicad (6.0.7)	Rev: 0



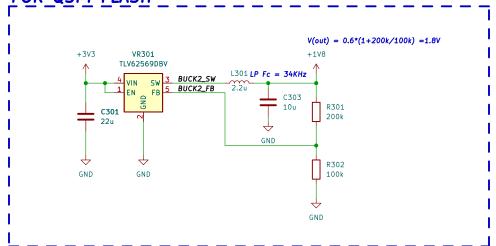




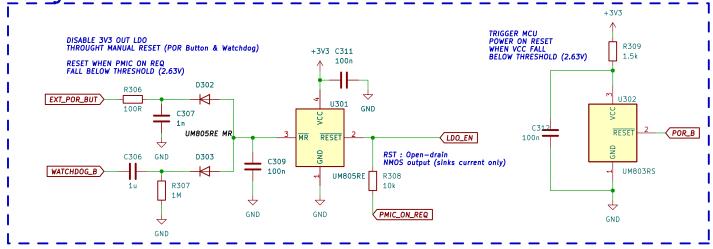
+5V USB > +3V3 FOR ANALOG AUDIO CIRCUIT



+ 3V3 > 1V8 FOR QSPI FLASH



Voltage monitor & reset circuit



Ajouter un switch de reset

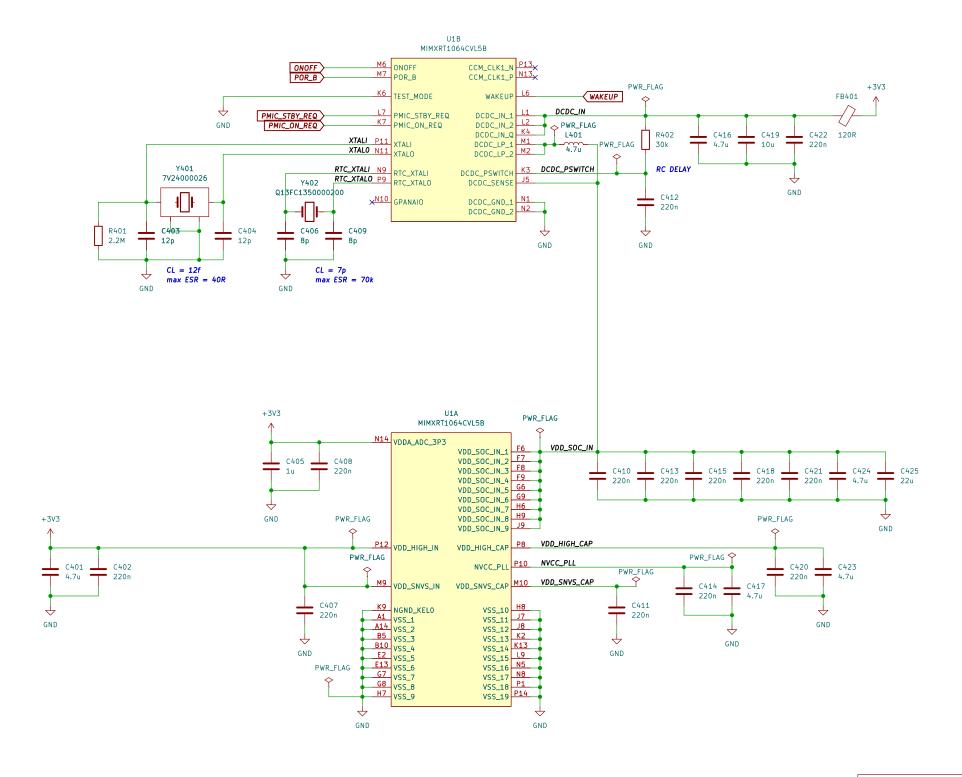
Joël Ucedo
Sheet: /SUPPLIES & PMIC/
File: supplies_pmic.kicad_sch

Title: MIMXRT1064 MCU Module

Size: A3 Date: 2023-05-23 Rev: 0

KiCad E.D.A. kicad (6.0.7) Id: 3/10

4 : MCU POWER & CRYSTALS



Joël Ucedo

Sheet: /MCU POWER & CRYSTALS/
File: pwrpin_crystals.kicad_sch

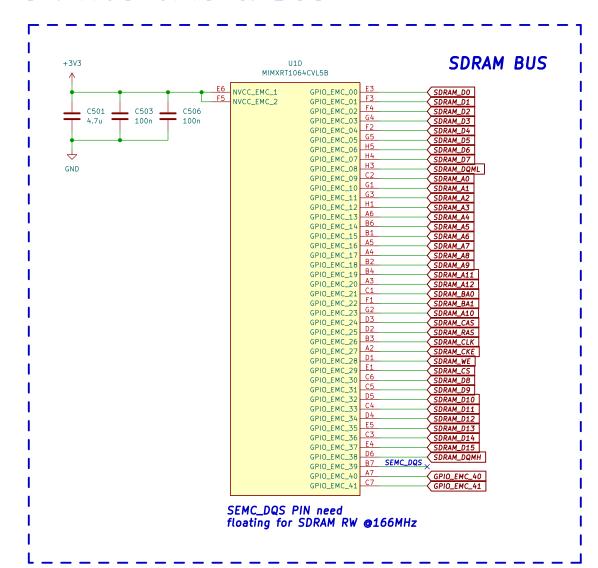
Title: MIMXRT1064 MCU Module

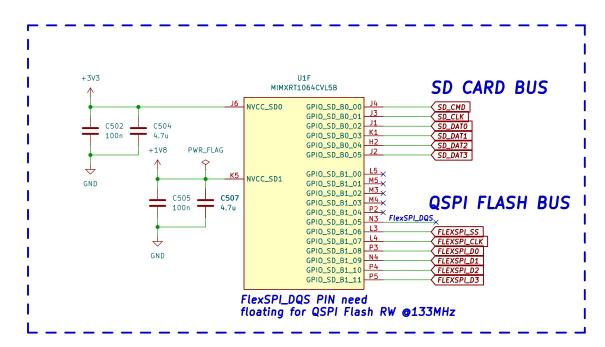
Size: A3 Date: 2023-05-23 Rev: 0

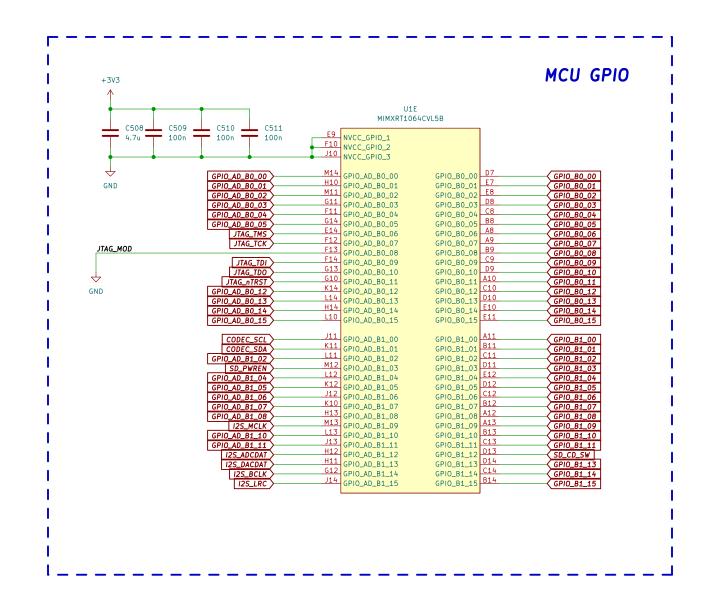
KiCad E.D.A. kicad (6.0.7) Id: 4/10

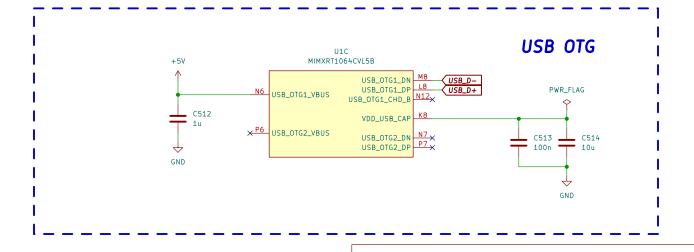
2

5 : MCU GPIO & BUS

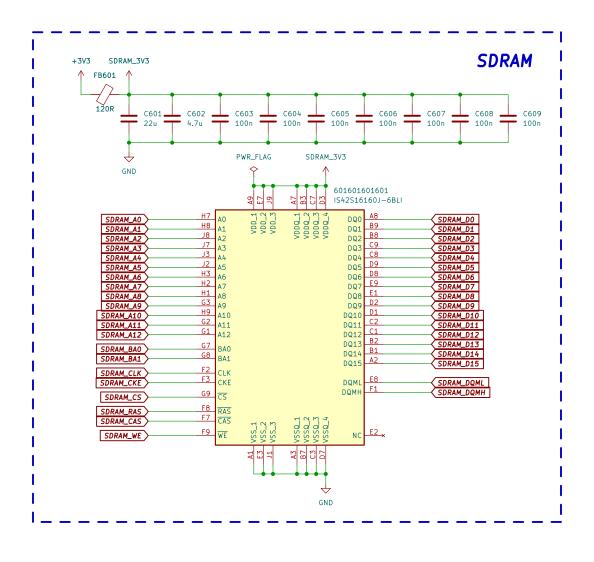


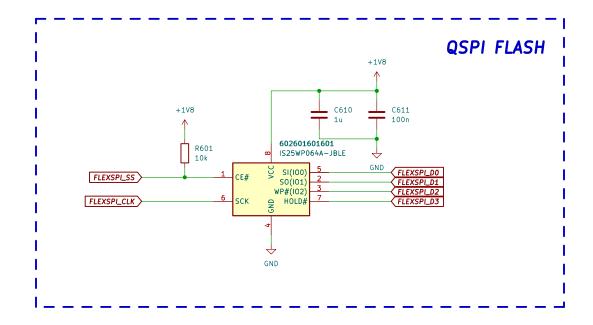






6: MEMORY

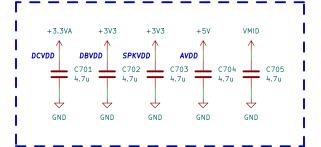




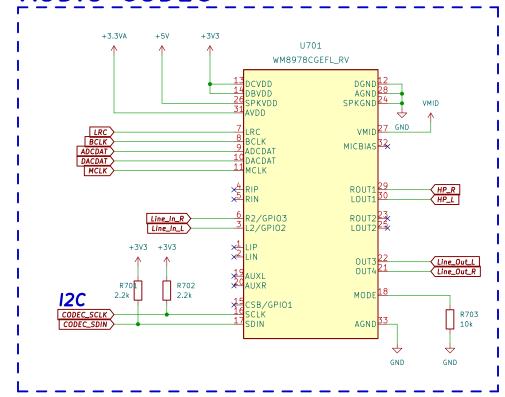
oël Ucedo			
heet: /MEMOR le: memory.ki			
itle: MIMXI	RT1064 MCU Module		
ize: A3	Date: 2023-05-23	Rev: 0	
iCad E.D.A. k	icad (6.0.7)	ld: 6/10	
	7	. 8	

7: AUDIO

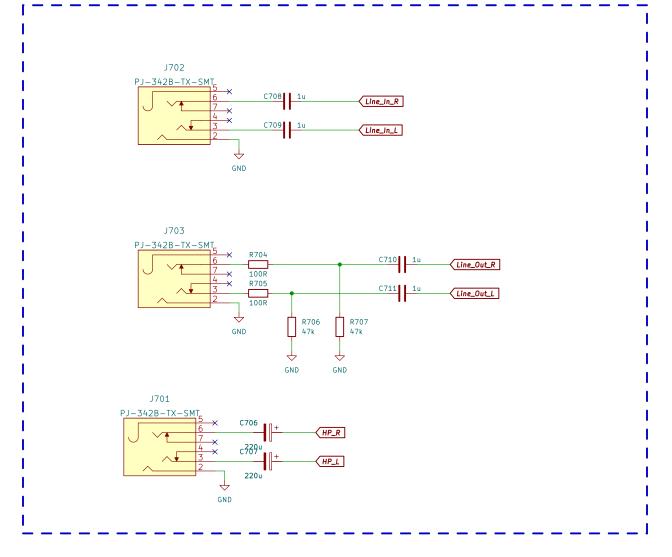
DECOUPLING



AUDIO CODEC



LINE IN - LINE OUT - HEADPHONE



Joël Ucedo					
Sheet: /AUDIO/					
File: audio.kicad	_sch				
Title: MIMXRT1064 MCU Module					
Size: A3	Date: 2023-05-23	Rev: 0			
KiCad E.D.A. kid	ad (6.0.7)	ld: 7/10			

