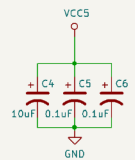
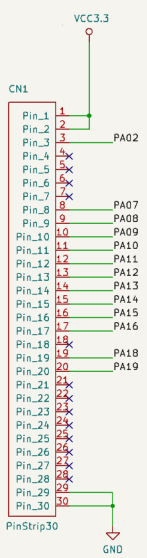


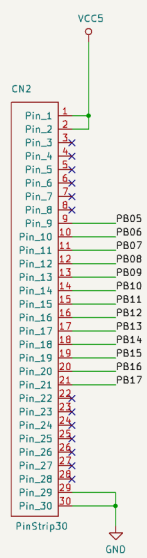
Checked!



Checked!

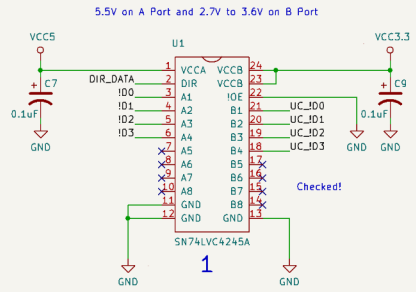


Checked!

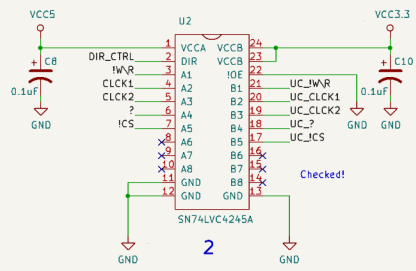


ATSAMD51	Metro M4	CasioROM Pack:
PB15	(6)	PIN1 - Idata3
PB14	(5)	PIN2 - Idata2
PB13	(4)	PIN3 - Idata1
PB12	(7)	PIN4 - Idata0
PB09	(A5)	PIN5 - R/IW
PB16	(3)	PIN6 - CLCK1
PB17	(2)	PIN7 - CLCK2
PA02	(AD)	PIN8 - ?
PB0B	(GND)	PIN9 - Gnd
---	(A4)	PIN10 - ICS
---	(5V)	PIN11 - Vcc
PA19	(D11)	SN74LVC4245A signals:
PA18	(D10)	IC2 PIN2 DIR_CTRL
		IC1 PIN2 DIR_DATA
USART signals:		FT232RL:
PA22	*Tx<(1)	PIN 5-RXD
PA23	*Rx<(0)	PIN 1-TXD
SPI-SD signals:		SD
PA04(SERCOM PAD0)	(A3)	MOSI - SD PIN2 DATA_IN
PA05(SERCOM PAD1)	(A1)	SCK - SD PIN5 SCK_IN
PA06(SERCOM PAD2)	(A2)	MISO - SD PIN7 DATA_OUT
PA20	(D9)	nCS - SD PIN1 nCS

5V <> 3.3V , keyboard <> UC signal level conversion:



Checked!



Checked!

Board peripherals GPIO correspondence:

ROM-PACK:

PB11	UC_IW/R
PB16	UC_CLKK1
PB17	UC_CLKK2
PA02	UC_?
PB10	UC_IC5
PB12	UC_ID0
PB13	UC_ID1
PB14	UC_ID2
PB15	UC_ID3
PA18	DIR_DATA
PA19	DIR_CTRL
PA14	ROM_IO1
PA15	ROM_IO2
PA16	ROM_IO3

LCD Display:

PB05	LCD_CS
PB06	LCD_RS
PB07	LCD_RST
PB08	LCD_SDA
PB09	LCD_SCL

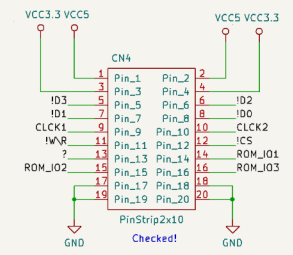
Rotary encoder:

PA07	ENC_A
PA08	ENC_B
PA09	ENC_PUSHB

Push buttons:

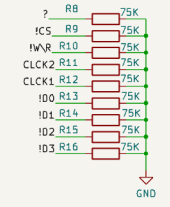
PA10	PUSHB_A
PA11	PUSHB_B
PA12	PUSHB_C
PA13	PUSHB_D

To ROMPACK keyboard connector:



Checked!

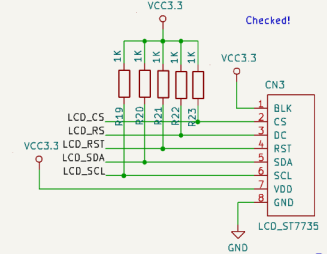
ROMPACK data bus pull down:



Mounting holes:

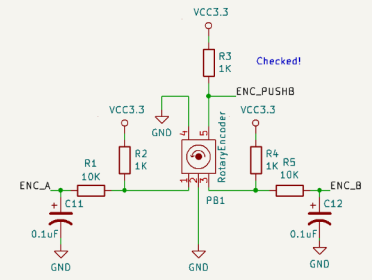
- MH1 MountingHole
- MH2 MountingHole
- MH3 MountingHole
- MH4 MountingHole

Graphic LCD (ST7735-SH1106):

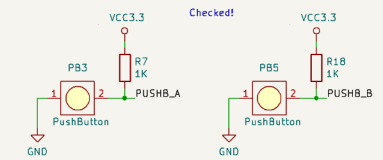


Checked!

Push buttons and encoders:



Checked!



Checked!

