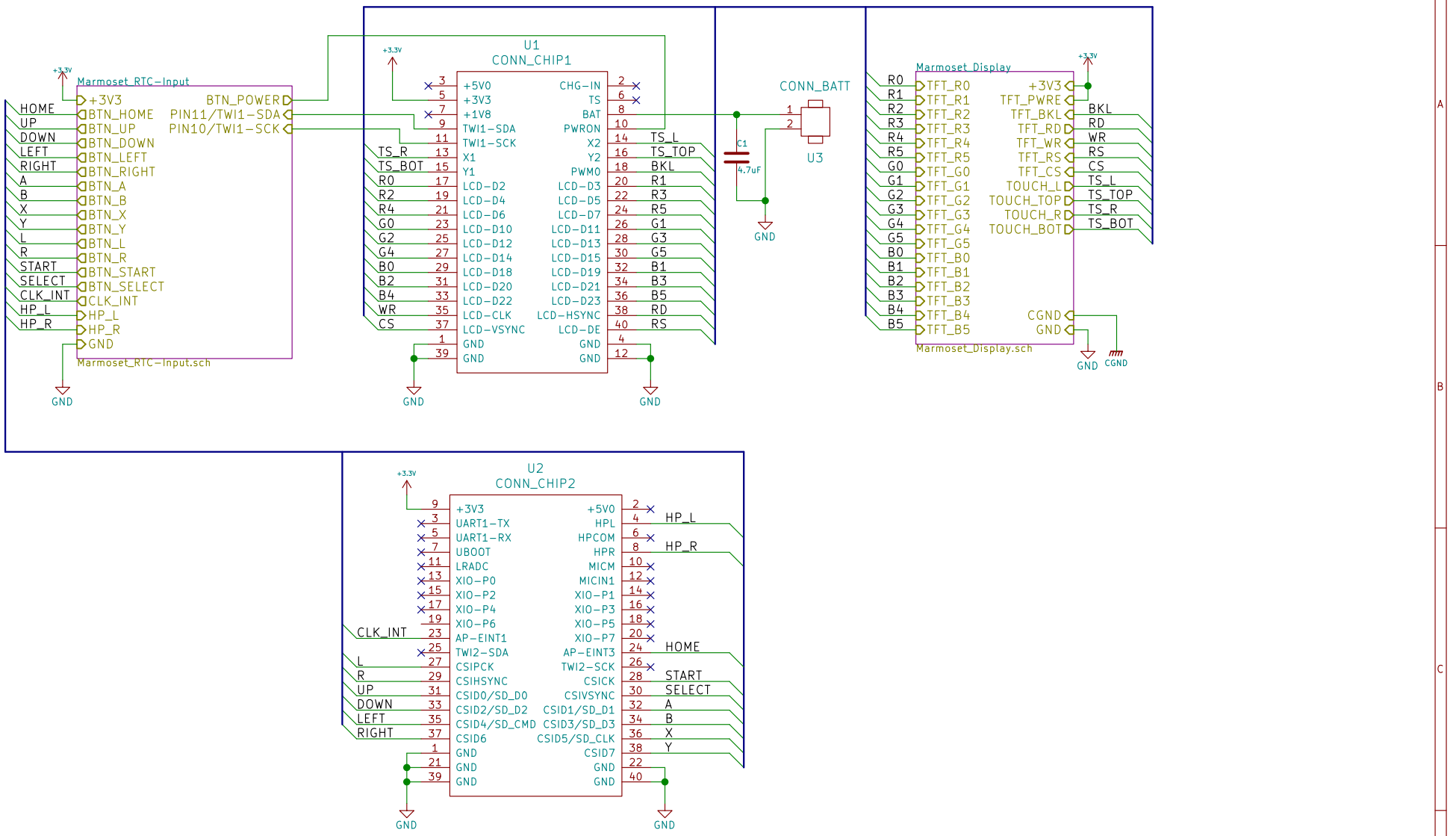
CHIP



Prime8Bit

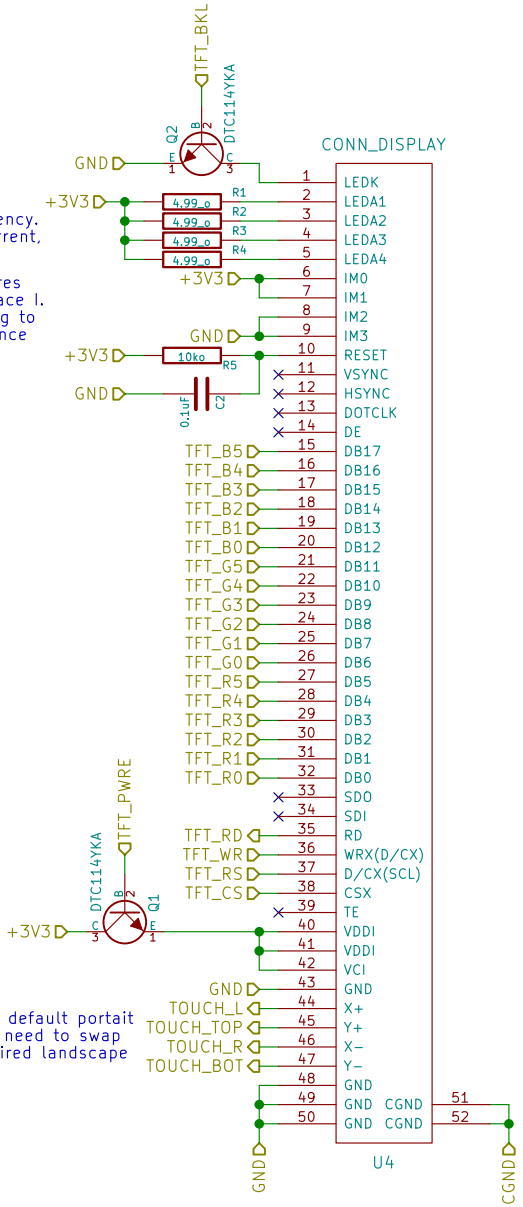
Sheet: /

File: Marmoset.sch

Title: Marmoset

Size: A4	Date: 21 feb 2015	**Rev: 1.0**
KiCad E.D.A.	kicad (2016-04-11 BZR 6687, Git f239aee)-product	Id: 1/3

DISPLAY



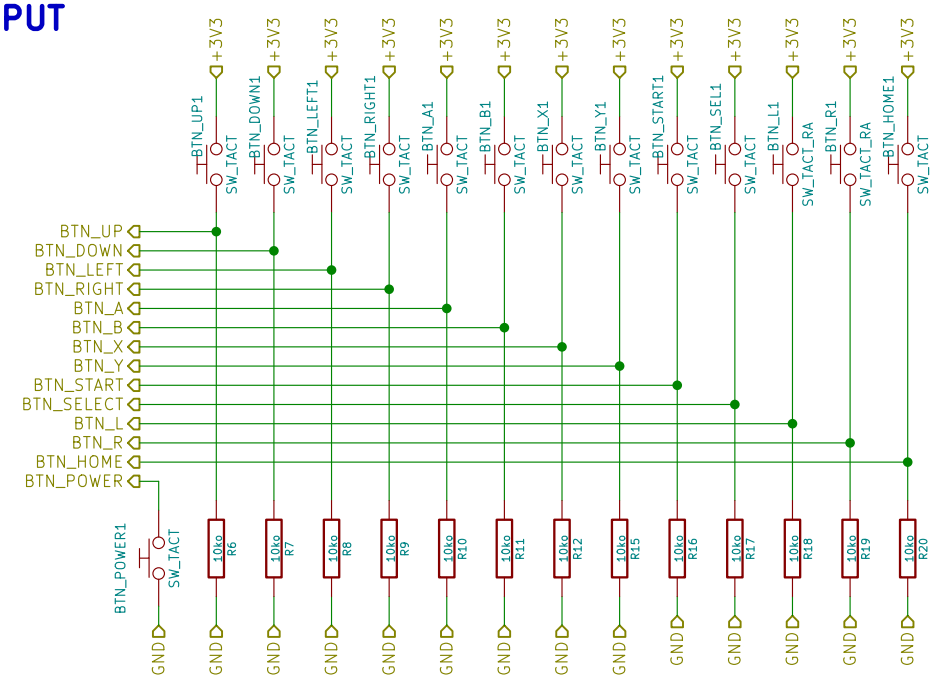
Note: I could have used +5V0 here with 100o resistors for better accuracy, but I went with +3V3 with 4.99o resistors for increased efficiency. If the +3V3 rail cannot support that much current, then I will change this later.

Note: Setting [IM3,IM0] = 0011 configures the display for 8080 MCU 18−bit interface I. I may need to change this during testing to the 8080 MCU 18−bit interface II but once I have the right interface, it should be hard wired.

TODO: This orientation is for the default portait orientation of the screen. I may need to swap these around to support the desired landscape orientation.

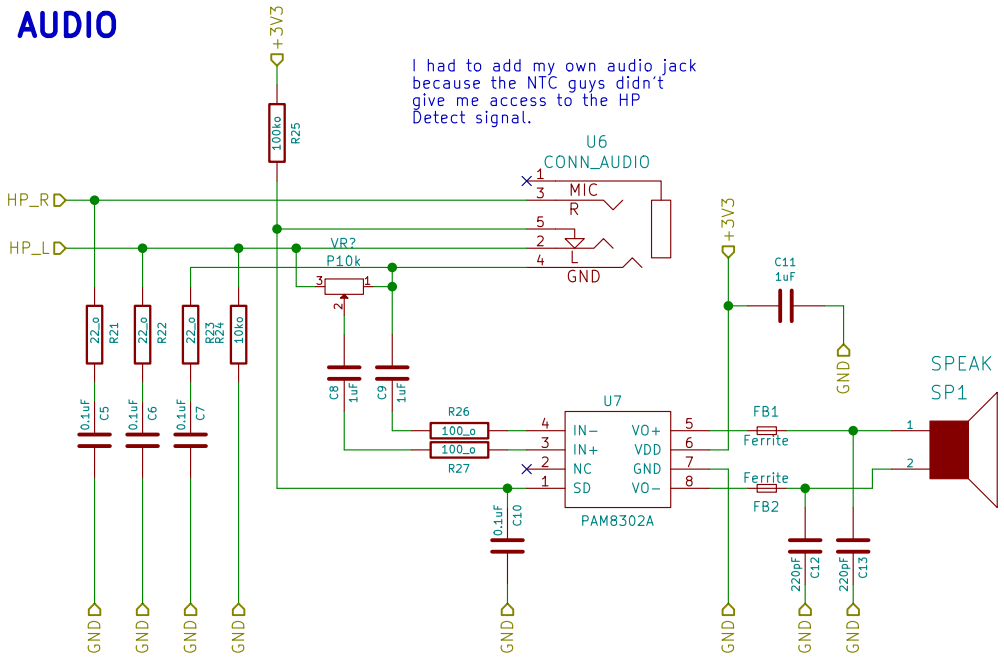
Prime8Bit		
Sheet: /Marmoset_Display/		
File: Marmoset_Display.sch		
Title: Marmoset		
Size: A4	Date: 21 feb 2015	**Rev: 1.0**
KiCad E.D.A. kicad (2016−04−11 BZR 6687, Git f239aee)−product		Id: 2/3

INPUT

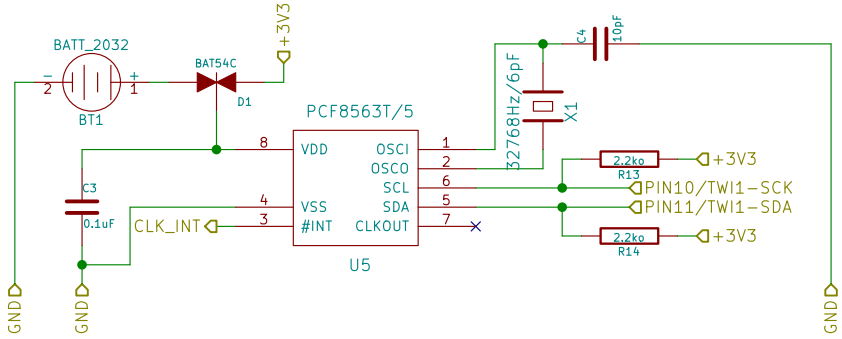


This is how CHIP implements the power button, so I will follow suit for my external button.

AUDIO



RTC



Prime8Bit		
Sheet: /Marmoset_RTC−Input/		
File: Marmoset_RTC−Input.sch		
Title: Marmoset		
Size: A4	Date: 21 feb 2015	**Rev: 1.0**
KiCad E.D.A. kicad (2016−04−11 BZR 6687, Git f239aee)−product		Id: 3/3