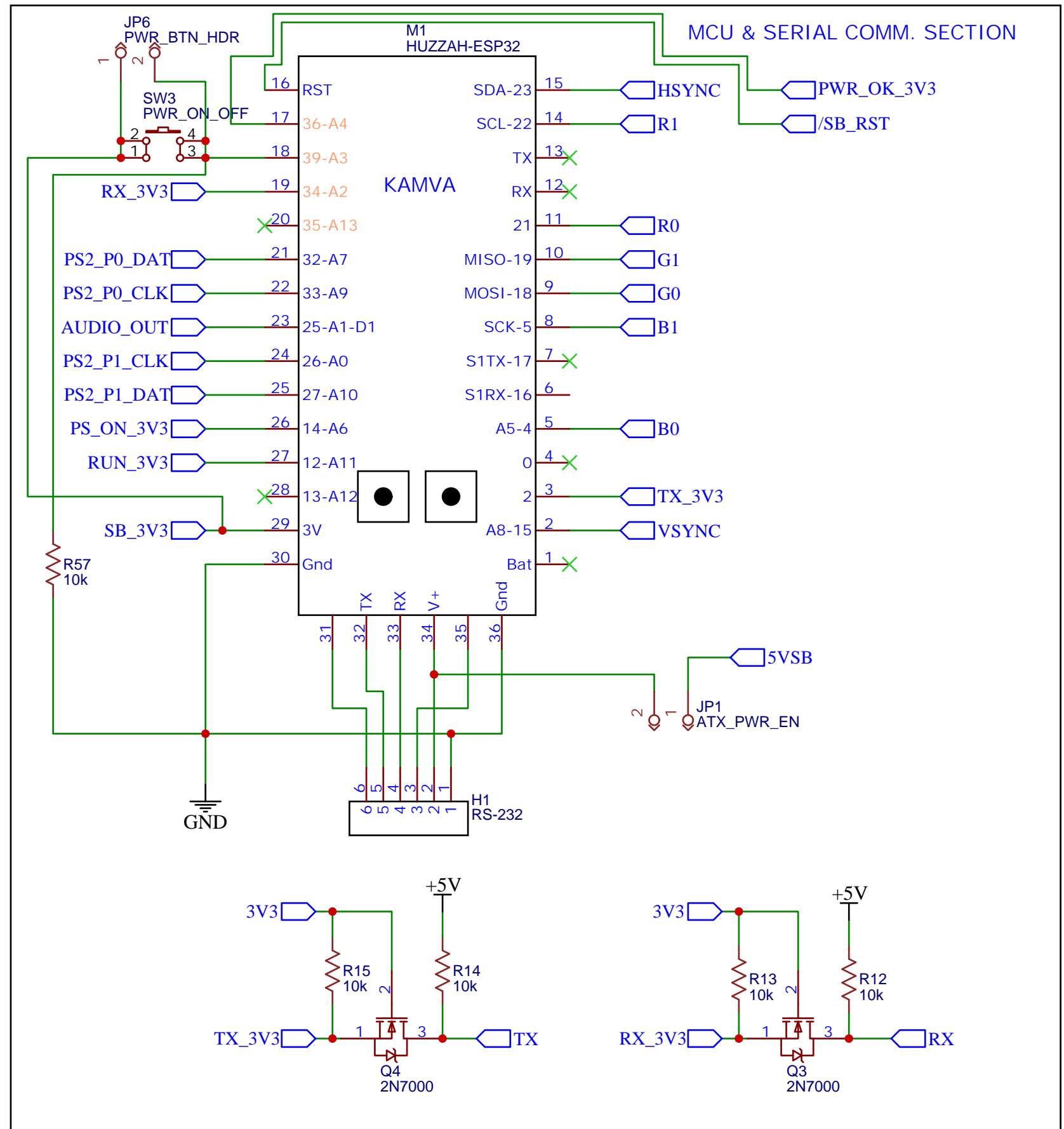
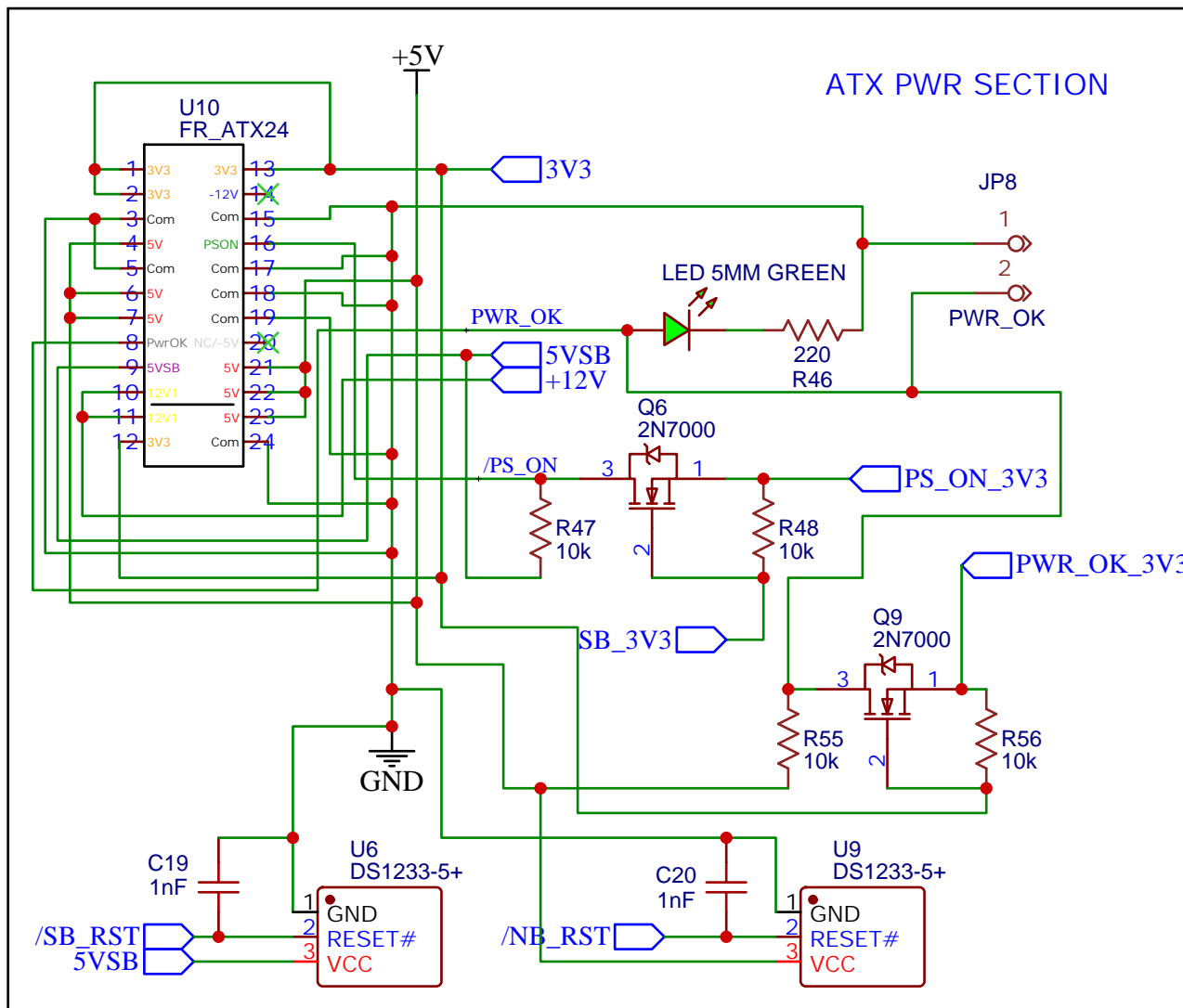
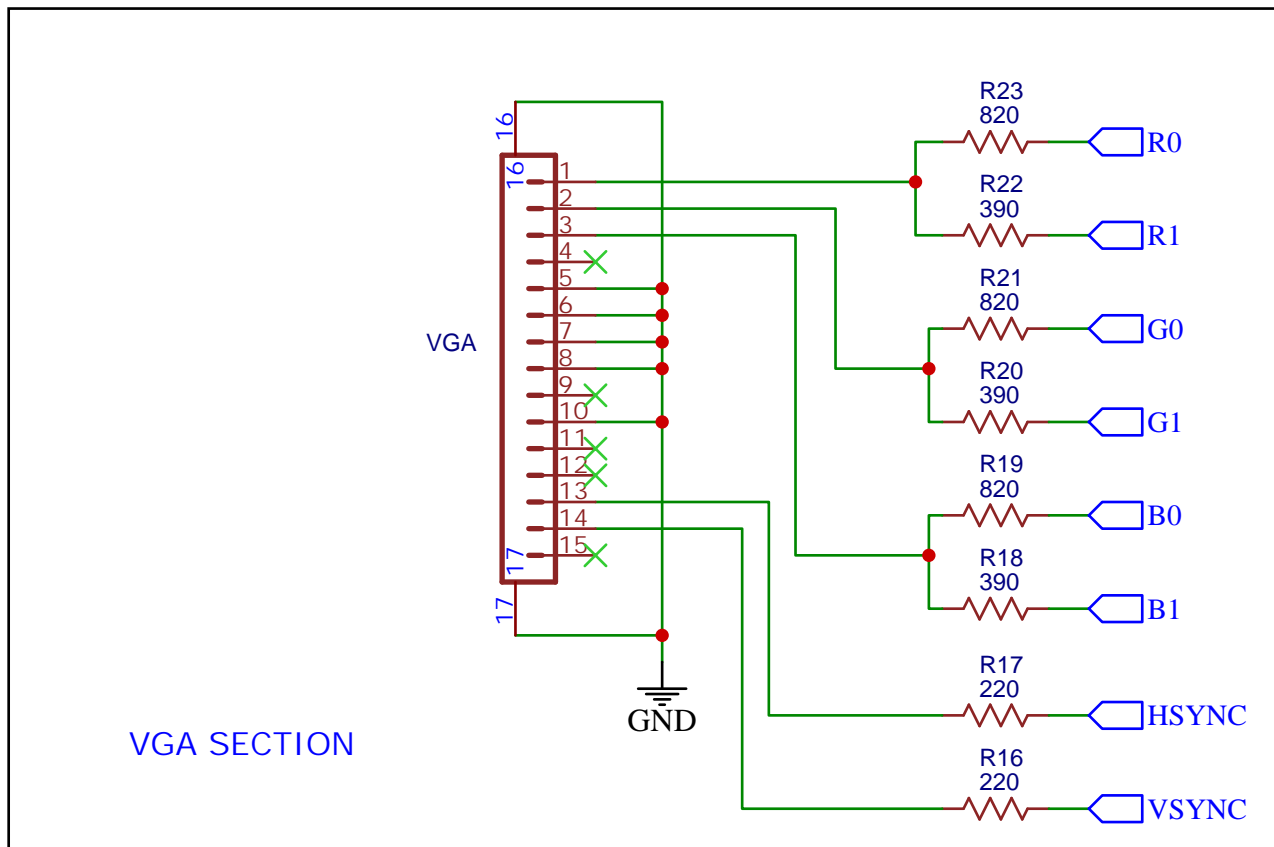
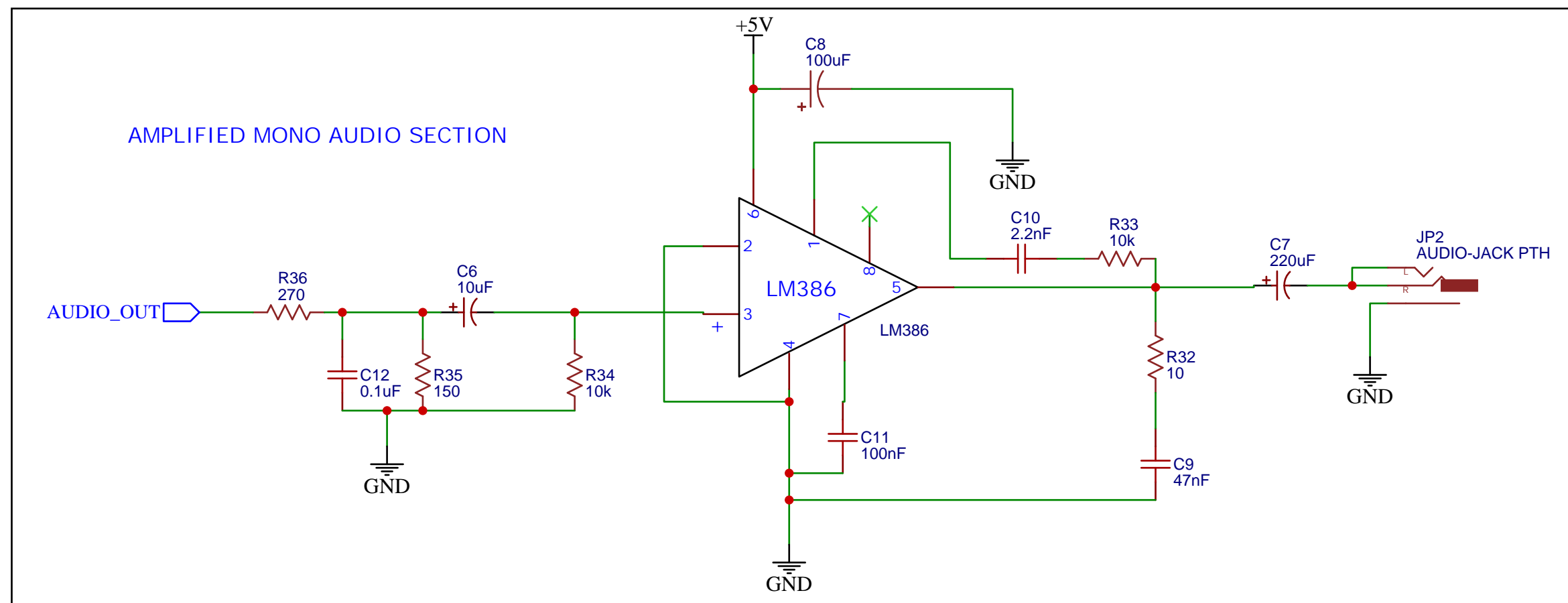
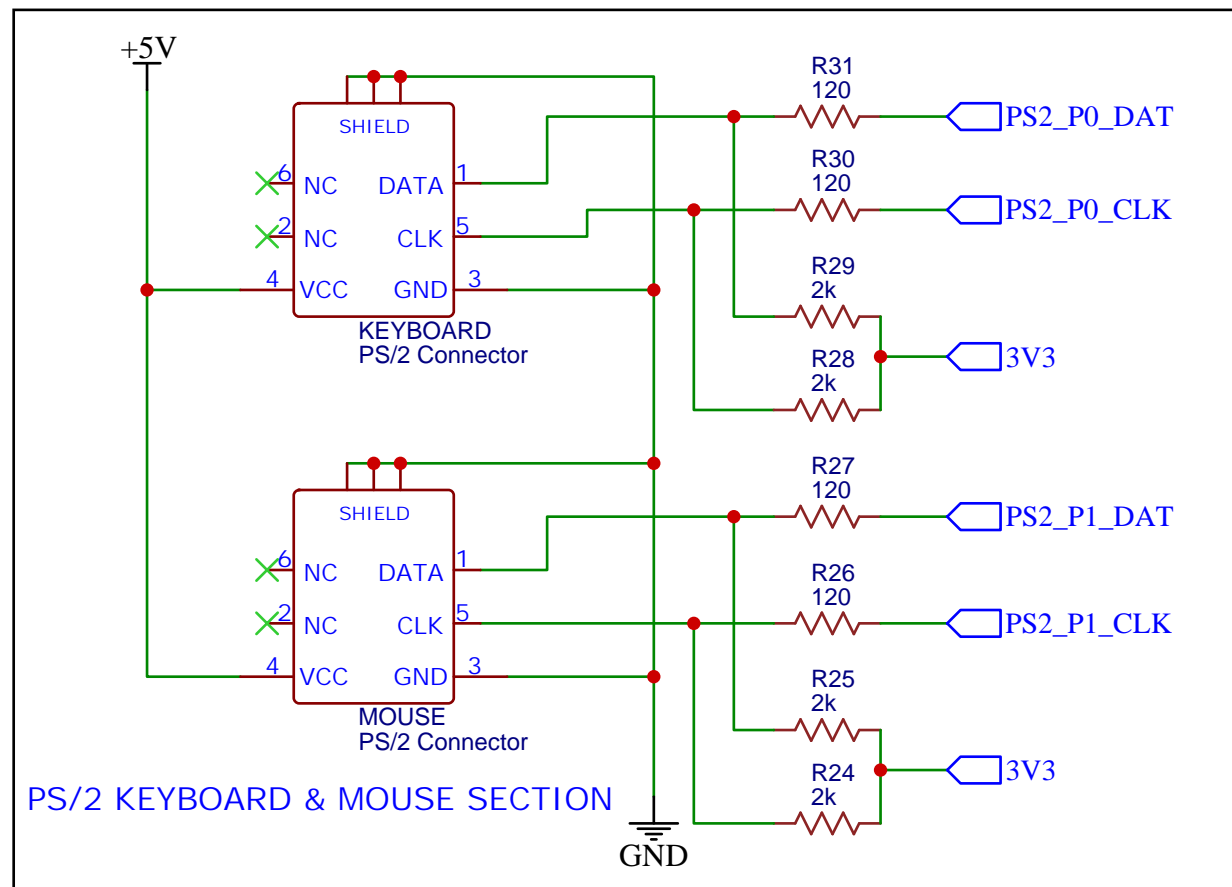

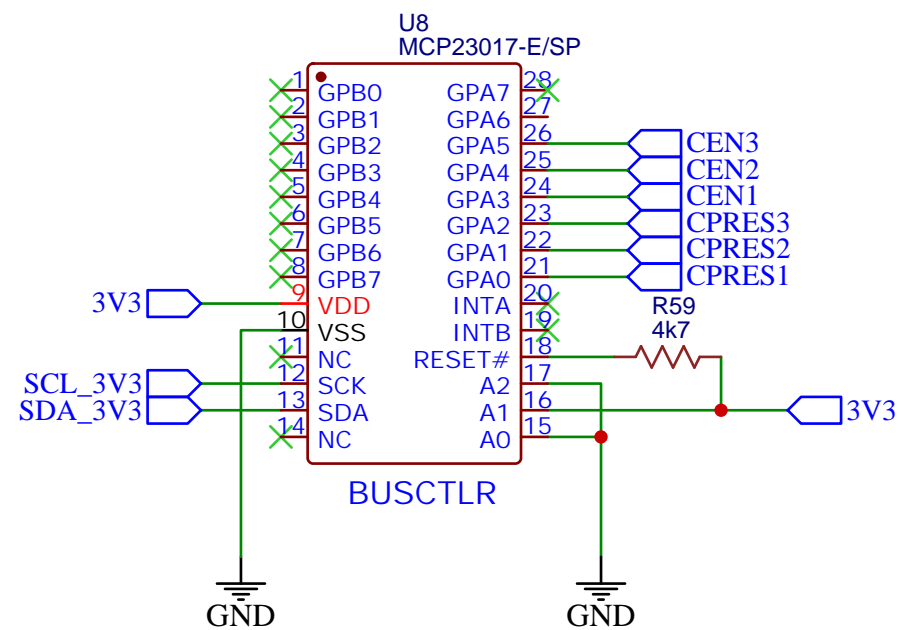
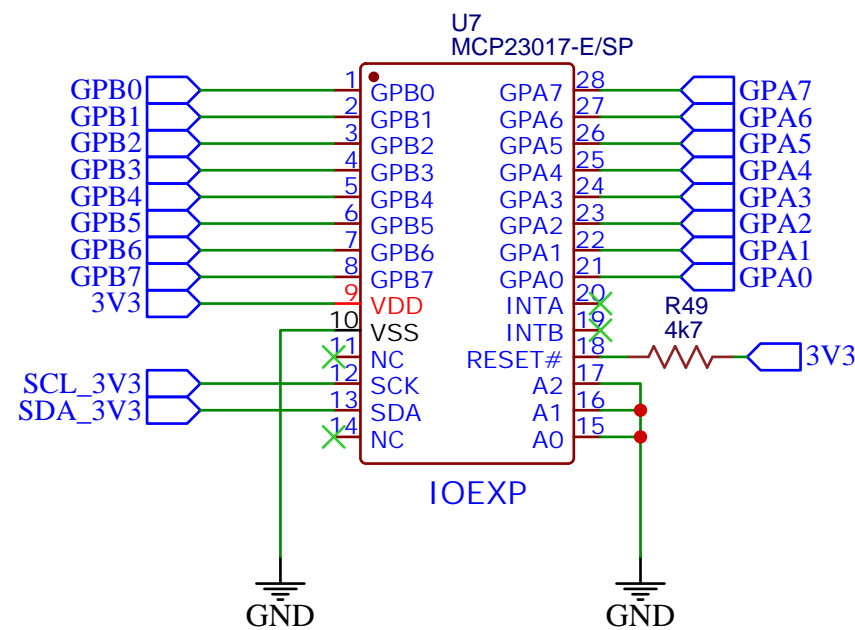


TITLE: CyBorg - ViCREM (Northbridge) and RTC		REV: 1.3
Company: CyrusBuilt		Sheet: 2/6
Date: 2022-11-22		Drawn By: Chris Brunner





TITLE: CyBorg - KAMVA (Southbridge) - Audio & PS/2		REV: 1.3
	Company: CyrusBuilt	Sheet: 4/6
	Date: 2022-11-23 Drawn By: Chris Brunner	



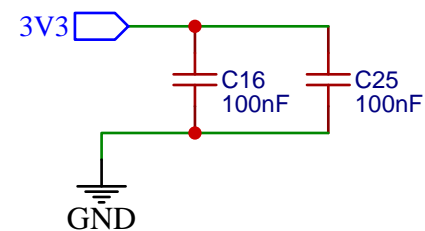
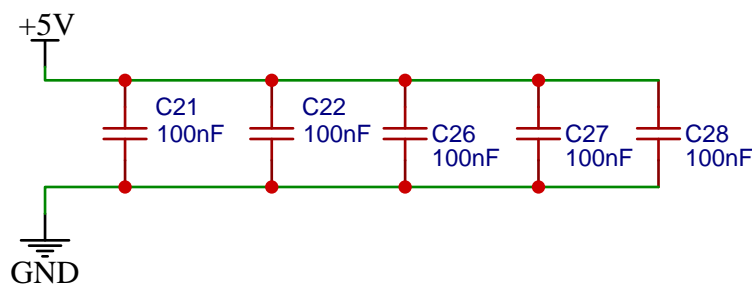
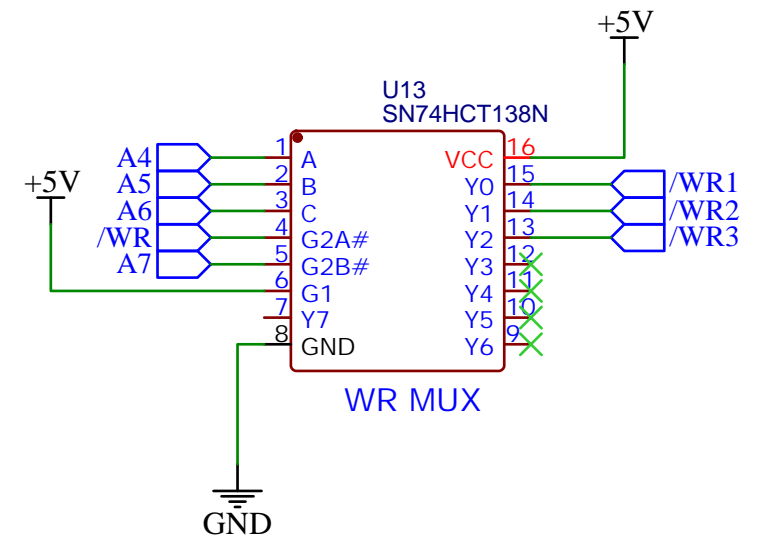
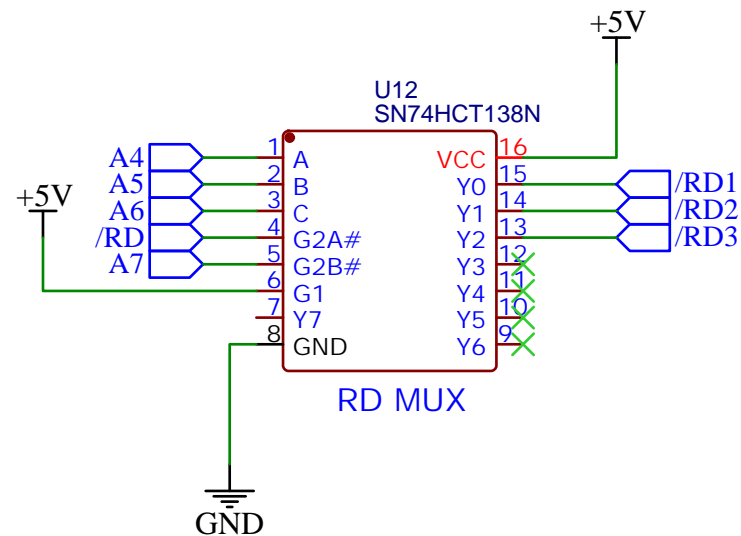
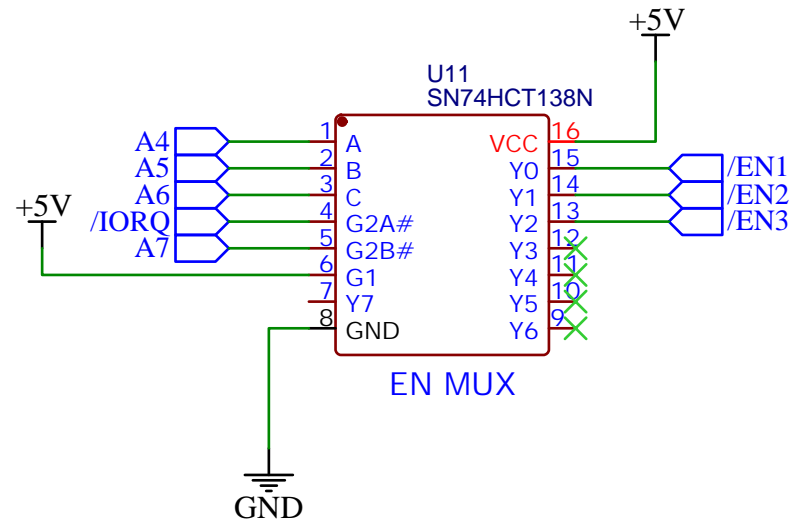
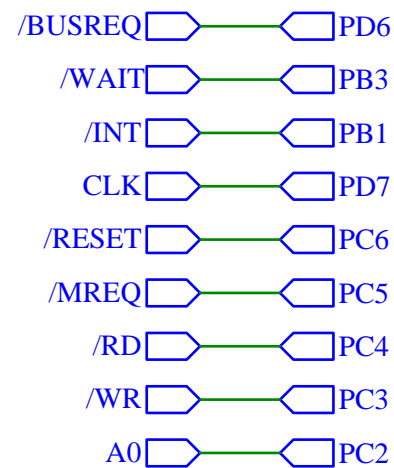
Reserved I2C Addresses

0x68 - RTC

0x20 - IOEXP

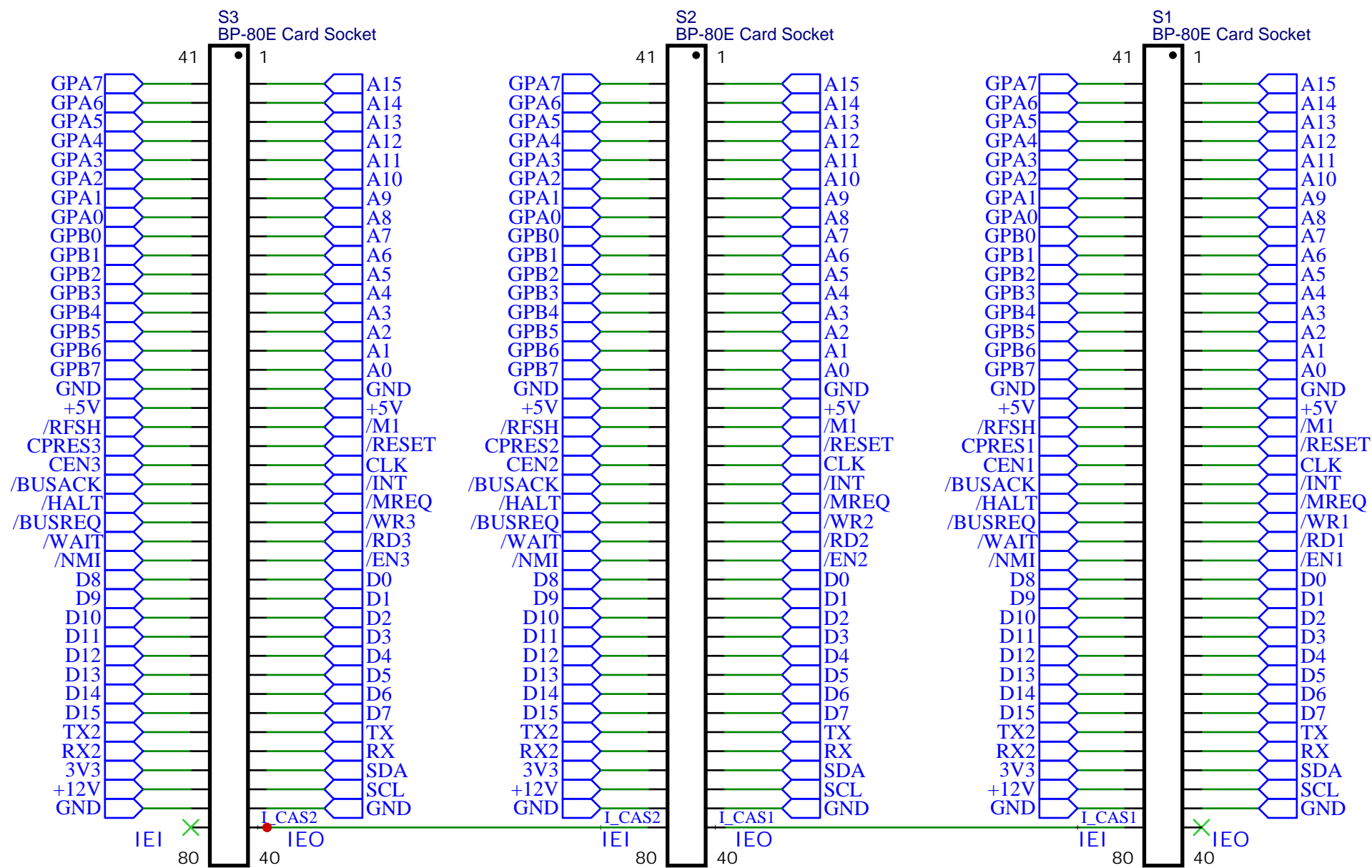
0x21 - CyBorgSPP

0x22 - BUSCTLR

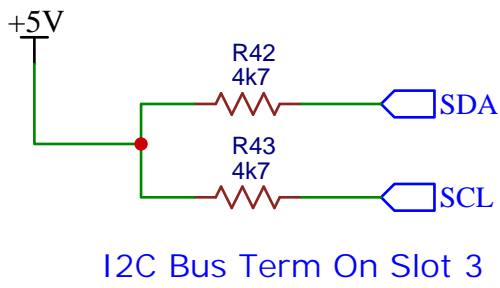


Use caution when using add-on cards designed for RC2014!!

TITLE: CyBorg - Bus Control		REV: 1.3
嘉立创EDA	Company: CyrusBuilt	Sheet: 5/6
	Date: 2022-11-24	Drawn By: Chris Brunner



BP-80E is an unofficial variant of the RC2014 bus. BP-80E is essentially a modification of the RC80 bus which is also an unofficial RC2014 bus variant. The major differences are: A16-A23 are instead assigned to GPB0-7, n41-n48 are instead assigned to GPA0-7, address lines A4 - A7 are omitted, pins 56 & 57 are used for detection, and USER pins are assigned to extra power pins and (much like RC80) I2C bus, and interrupt cascade. This creates the potential danger when using cards designed for RC2014 and the like: If the add-on doesn't expect power on the USER pins (for example), you could fry the board or worse. Any add-on card that just uses the traditional power pins, address bus, data bus, and control signals should work fine and, of course, any boards specifically designed for the BP-80E bus should also be fine. In a future version I may change this to an entirely different slot type to avoid potential problems.



TITLE: CyBorg - Expansion Bus		REV: 1.0
EasyEDA	Company: Your Company	Sheet: 6/6
	Date: 2024-11-05	Drawn By: Chris Brunner