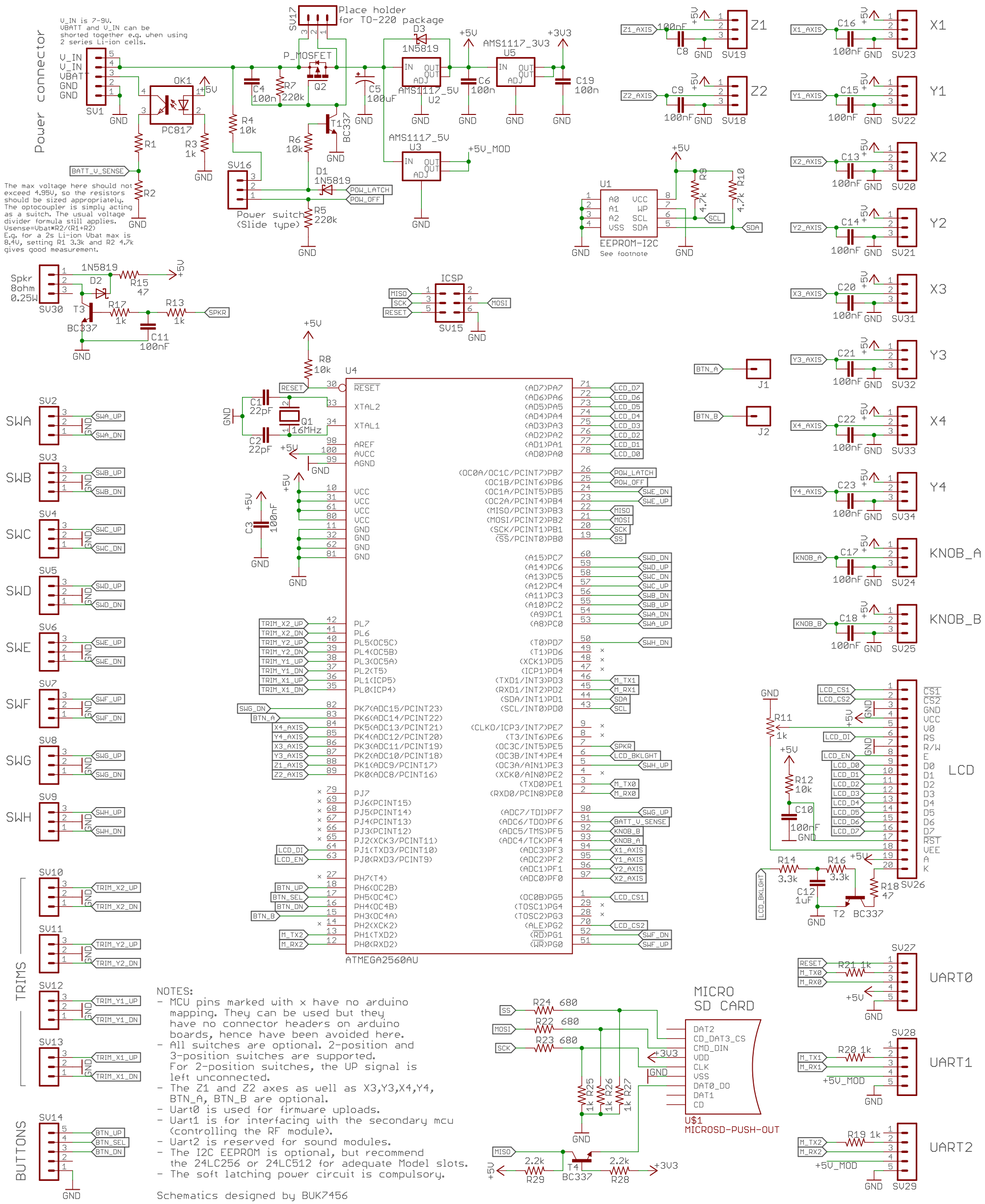

NOTES:
- MCU pins marked with x have no arduino mapping. They can be used but they have no connector headers on arduino boards, hence have been avoided here.
- All switches are optional. 2-position and 3-position switches are supported. For 2-position switches, the UP signal is left unconnected.
- The Z1 and Z2 axes as well as X3,Y3,X4,Y4, BTN_A, BTN_B are optional.
- Uart0 is used for firmware uploads.
- Uart1 is for interfacing with the secondary mcu (controlling the RF module).
- Uart2 is reserved for sound modules.
- The I2C EEPROM is optional, but recommend the 24LC256 or 24LC512 for adequate Model slots.
- The soft latching power circuit is compulsory.

Schematics designed by BUK7456