NIXIE-LINK
Component Layout Diagram

Grey: Data
Red: Power
Blue: Internal components
Yellow: Input Devices
Green: Output Devices
Cyan: Programmable Controller

Data Line
Power Line (3.3V)
High Power Line (200V)

BATTERY

charge controller

Power converter
(to 3.3 or 5V)
may need multiple
depending on load

SD CARD
SLOT

USB TO
SERIAL

USB otg
connector

PC

Power
Mosfet

OLED Display

Microcontroller

accelerometer

real time clock

Power
Mosfet

BLE module

Humidity
Cutoff

HV Generation
Circuit

Button 1

Button 3

Flash Button (if required)

Button 2

Button 4

Nixie Driver

Nixie 1

Nixie 2