**House for PuffyPenguin control circuit**

Required connections:

Connections between housing and outside:

* 5 / 9 / 12V power inputs
* Ethernet cable for teensy unit
* USB for teensy unit
* Ethernet for setup signals
* Controller signals (5 lines)

Connections between housing and behavioral rig / monitors:

* Audio out (1 x stereo plug)
* 3 Photodiode connections (3 x stereo plugs)
* 12V power out for IR LEDs (2 lines)
* Connections stepper motors (2 x 4 lines)
* Lick spout connections (2x insulated lines)
* Motor zero, ground (3 lines)