Speakers

Wall Power
Amp
3.5mm Audio

VIN Pin
Music Instrument Shield

Soft MIDI Out
31250bps

Arduino Duemilanove
12V Adapter
Master Controller

Soft TX Out
38400bps
CAT5 Blue

Arduino UNO
Cable Power
Light Controller

Solid State Relays

Sharp S202T02

Wall Power
Lamps

Light

RX In

TX Debug 38400bps

38400bps

CAT5 Red

Mode Button

Cable Power
IR String Controller

Digital Pulses

Arduino Duemilanove

3-Pin JSTs

CAT5 Yellow

CAT5 Orange

IR LEDs

Cable Power
IR Detector Group 1

Cable Power
IR Detector Group 2

3-Pin JSTs

3-Pin JSTs

IR Detectors

IR Detectors

Master has ability to reset Light Controller, Detector, and Music Instrument Shield
Master will sit waiting for '1' or '5', etc. from Detector, or button press
Master will pass out '1' or '5' to Light Controller
Master will pass out MIDI to pluck note. Note will die on its own
Mode Button changes Instrument selection
Shield flashes stat LED on each event (receive, transmit, etc)
OpenLog used for logging of debug information
GPS used for time base

Changes on v1.1:
Change to 38400bps

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Sheet: 1/1