





0-5V control signal switch/mux chips will use 5V as power

audio signal switch chips will use +2.5VA as positive rail -2.5VA as negative rail

Potentiometers use

5V as digital power 5VA as analog positive rail -5VA as negative analog rail

op amps use +12VA as analog positive rail -12VA as analog negative rail

for each chip voltage level, i2c lines are pulled to the individual vdd of the chip.

+12V is regulated +12V@5A DC supply. +5V is 5V@3A supply

+12VA is positive supply for op amps used as audio amplifiers -12VA is negative supply for op amps used as audio amplifiers +5VA is positive analog supply for potentiometer chips -5VA is negative analog supply for potentiometer chips +2.5V is positive supply for audio switch chips and io expanders at that logic level -2.5V is positive supply for audio switch chips and io expanders at that logic level

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