External sheets

Power

Flat power.sfcad_sch

Local32

Flat local32.sfcad_sch

Local16

Flat local16.sfcad_sch

ISA

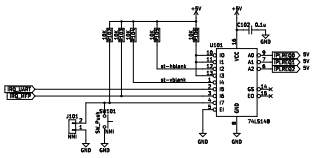
Flat isa.sfcad_sch

Misc

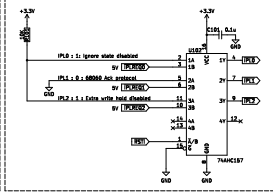
Flat misc.sfcad_sch

Device interrupt requests

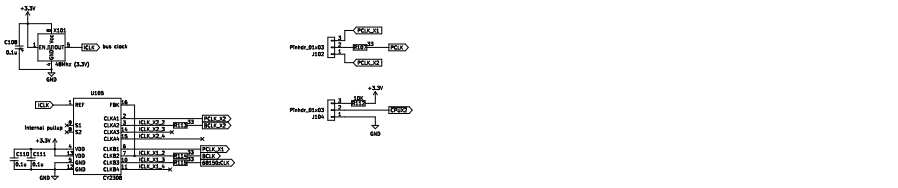
5V



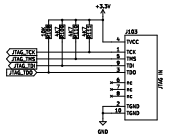
CPU interrupt triggger + startup config



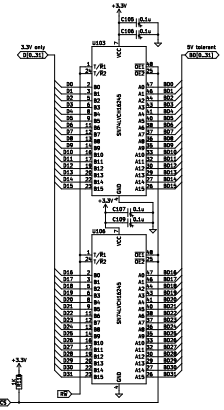
Clock



JTAG

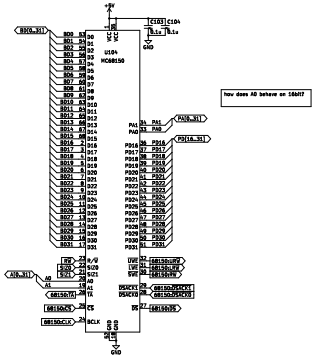


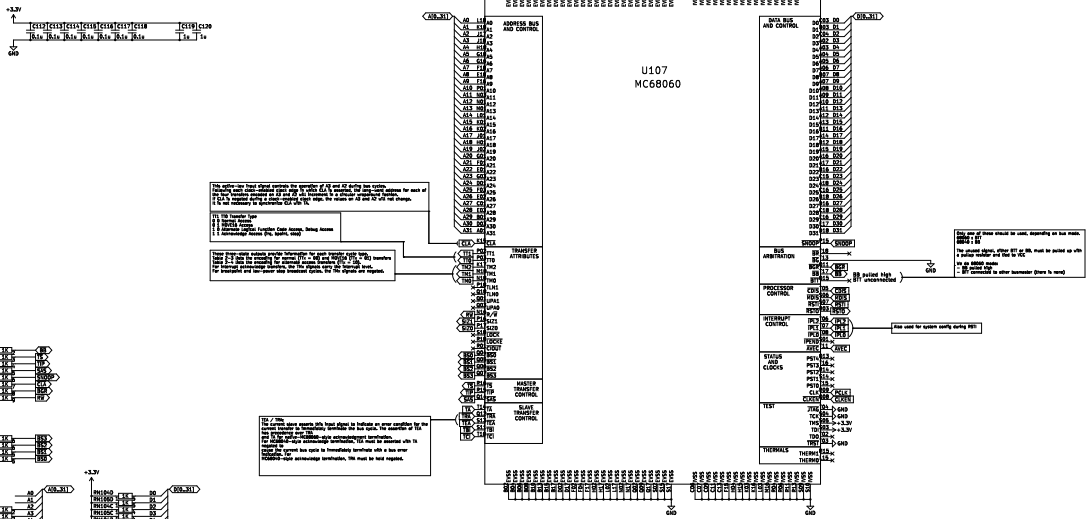
5V data bus

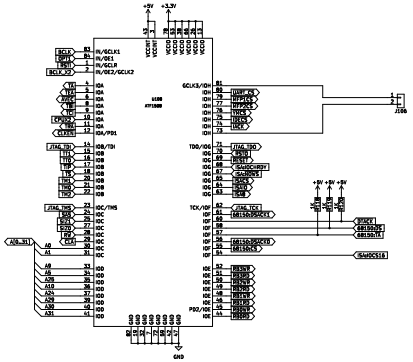


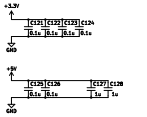
8/16 bit bus sizer

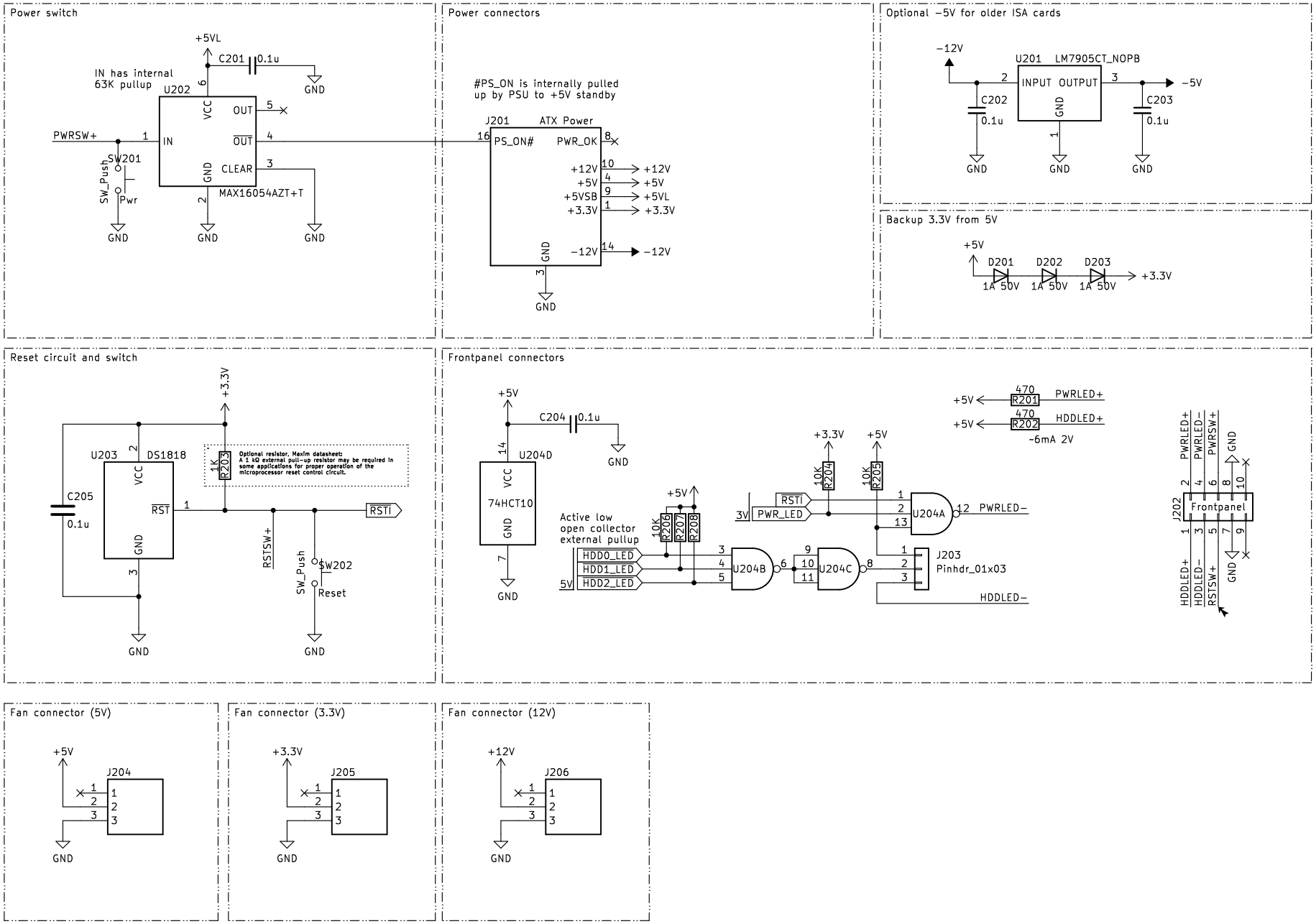
5V



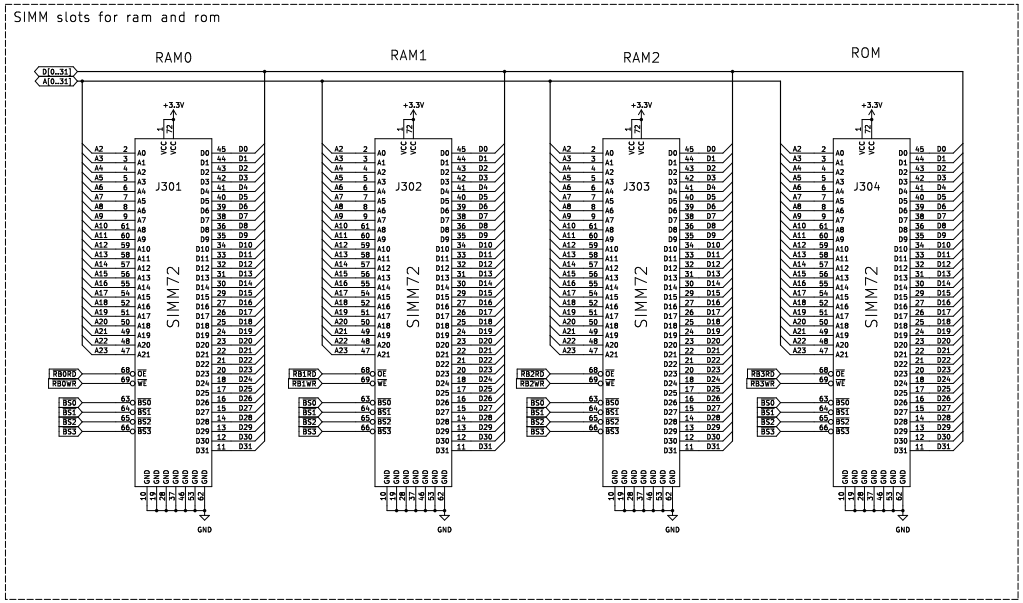


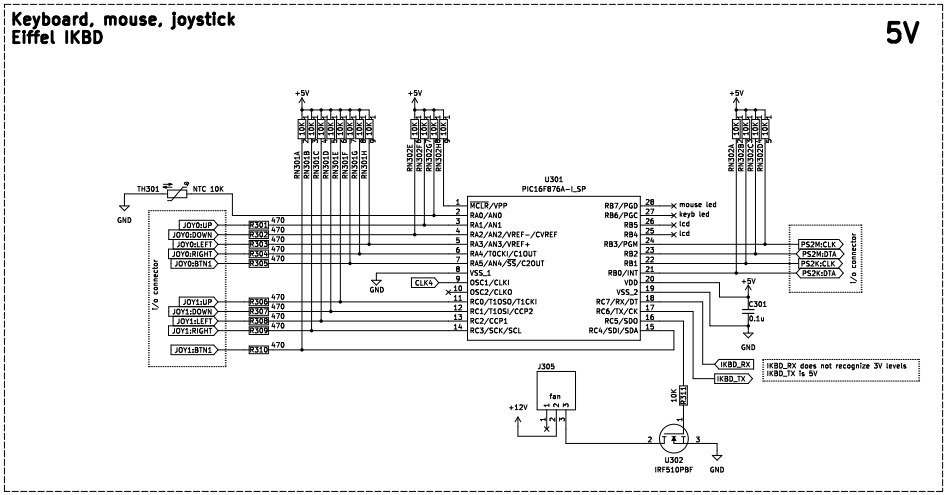


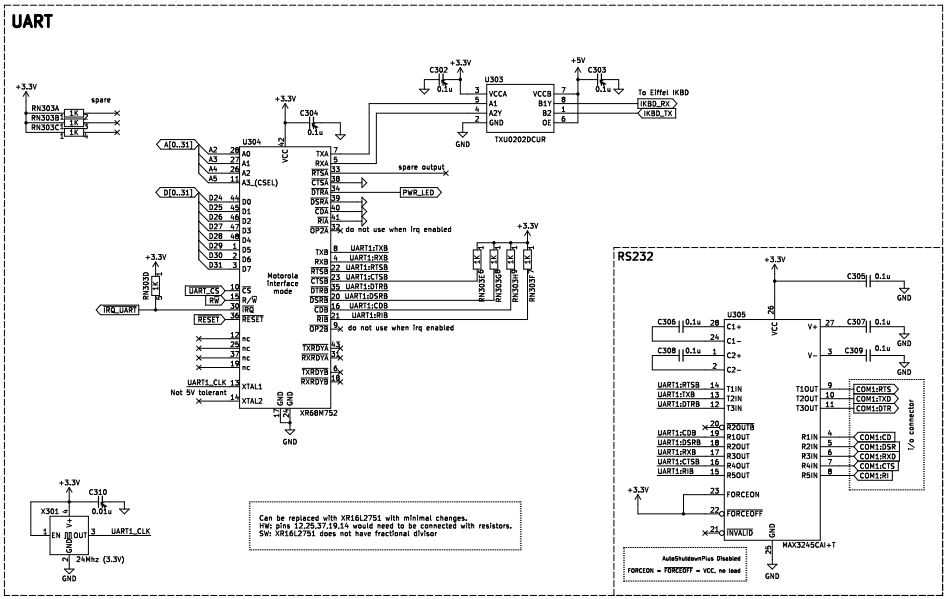



Power switch
+5VL
C201
0.1u
GND
IN has internal
63K pullup
U202
VCC
OUT
IN
CLEAR
MAX16054AZT+T
PWRSW+
SW201
SW_Push
Pwr
Power connectors
#PS_ON is internally pulled
up by PSU to +5V standby
J201
ATX Power
PS_ON#
PWR_OK
+12V
+5V
+5VSB
+3.3V
−12V
Optional −5V for older ISA cards
−12V
U201
LM7905CT_NOPB
INPUT
OUTPUT
C202
C203
−5V
Backup 3.3V from 5V
D201
D202
D203
1A 50V
Reset circuit and switch
+3.3V
U203
DS1818
C205
0.1u
R203
1K
Optional resistor. Maxim datasheets:
A 1 kΩ external pull-up resistor may be required in
some applications for proper operation of the
microprocessor reset control circuit.
RST
RSTI
RSTSW+
SW_Push
SW202
Reset
Frontpanel connectors
+5V
C204
0.1u
U204D
74HCT10
Active low
open collector
external pullup
HDD0_LED
HDD1_LED
HDD2_LED
R206
R207
R208
10K
U204B
U204C
U204A
R204
R205
PWR_LED
R201
R202
470
PWRLED+
HDDLED+
~6mA 2V
PWRLED−
HDDLED−
J203
Pinhdr_01x03
J202
Frontpanel
PWRSW+
GND
RSTSW+
Fan connector (5V)
J204
Fan connector (3.3V)
J205
Fan connector (12V)
J206

32bit local bus

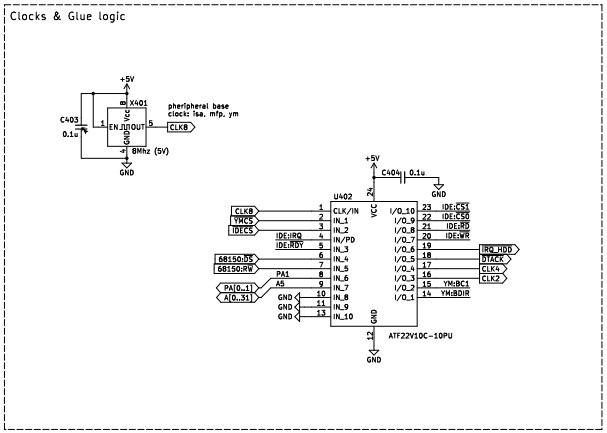


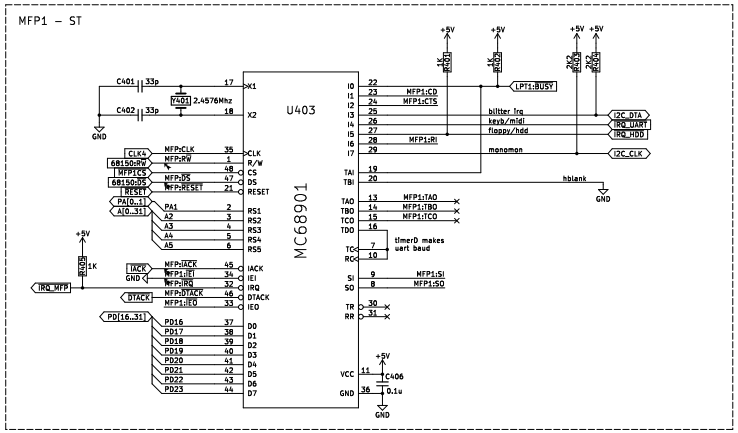


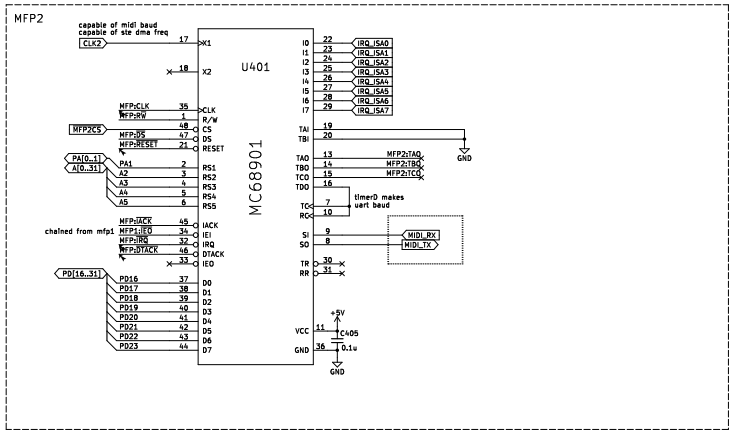


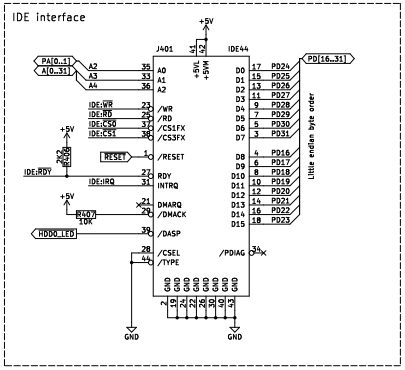
16bit through MC68150

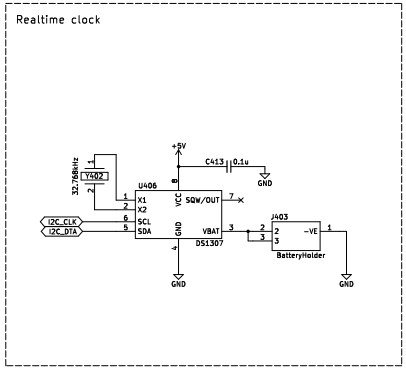
5V

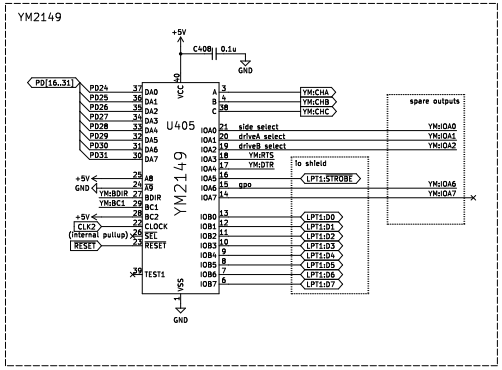


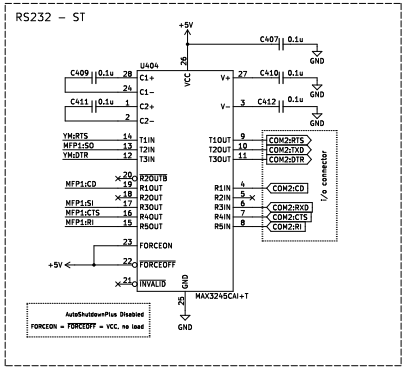


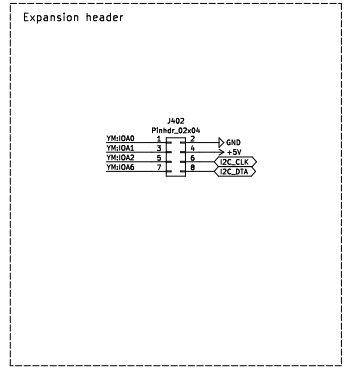




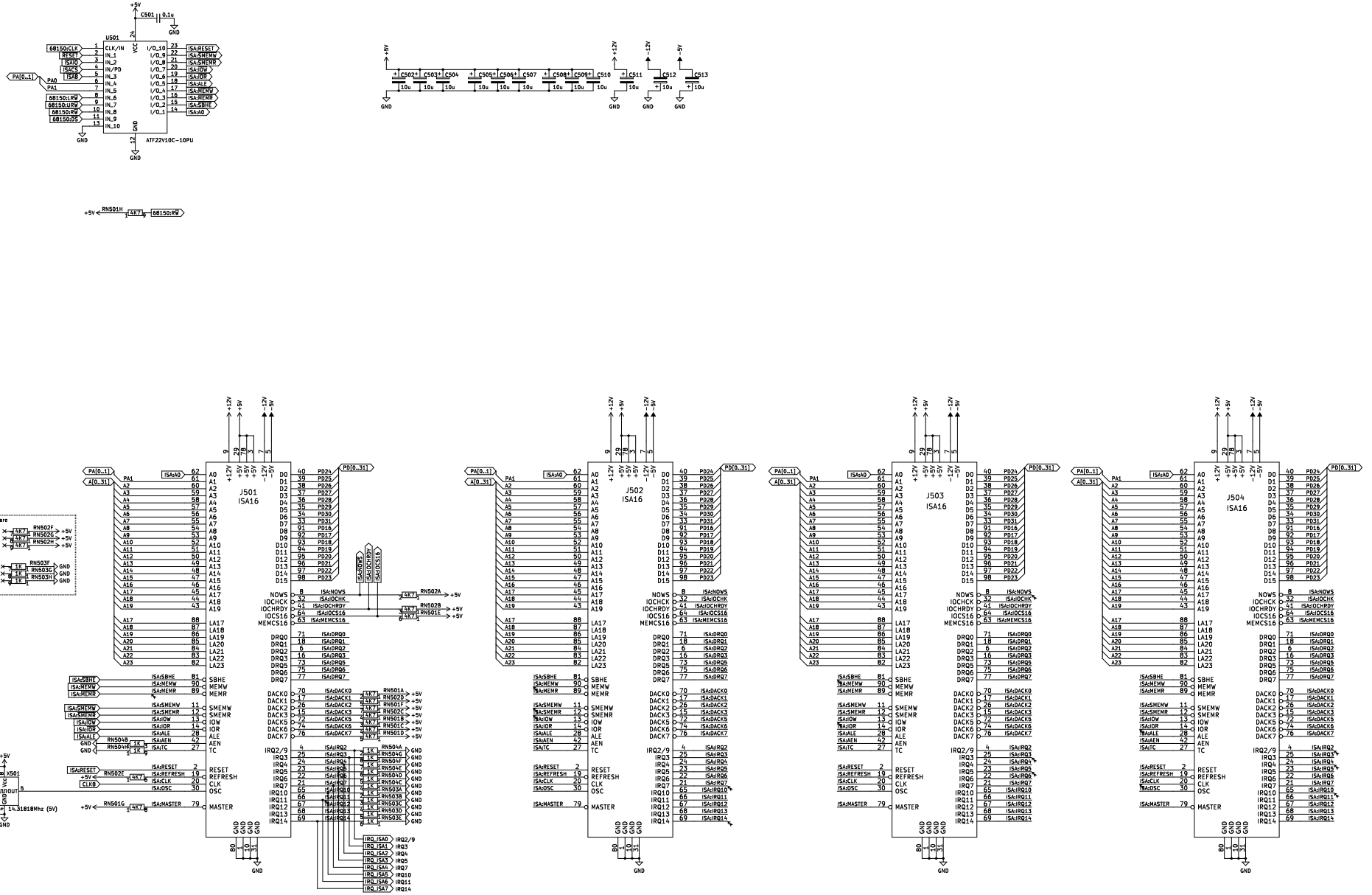






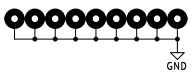


ISA Expansion slots

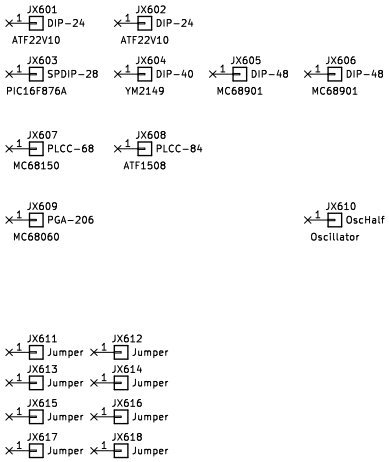


Misc / Connectors

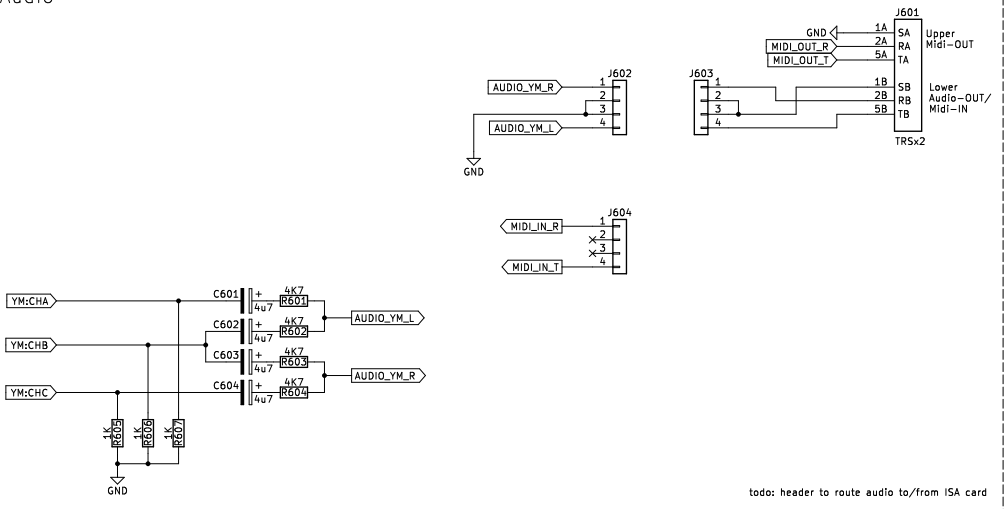
Mounting Holes



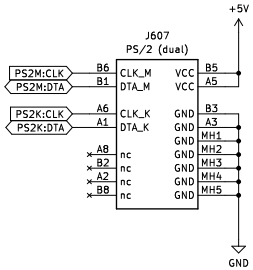
IC Sockets & Misc



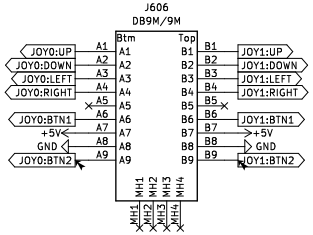
Audio



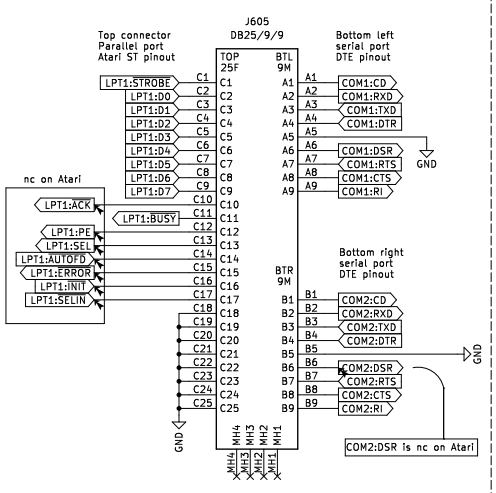
PS2 Keyboard + Mouse



Joystick x2



Parallel / Serial / Serial



Midi – TRS Type A