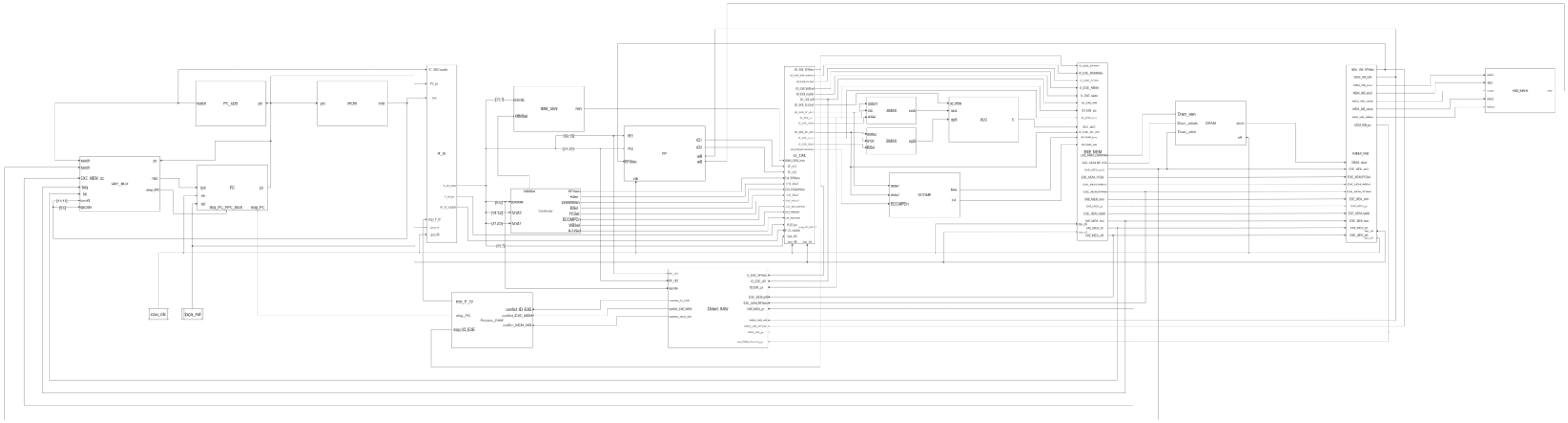
PC_ADD
IROM
IF_ID
NPC_MUX
PC
stop_PC_NPC_MUX
IMM_GEN
Controller
RF
ID_EXE
ALU
BMUX
AMUX
ALU2
BCOMP
EXE_MEM
DRAM
MEM_WB
WB_MUX
Detect_RAW
stop_IF_ID
stop_PC
stop_ID_EXE
conflict_ID_EXE
conflict_EXE_MEM
conflict_MEM_WB
Process_RAW
cpu_clk
fpga_rst