

- clk
- rst
- nmi\_int
- nmi\_vec[31:0]
- timer\_int
- dmi\_reg\_en
- dmi\_reg\_addr[6:0]
- dmi\_reg\_wr\_en
- dmi\_reg\_rdata[31:0]
- dmi\_hard\_reset



ifu\_axi  
 ifu\_axi\_and[2:0]  
 ifu\_axi\_araddr[31:0]  
 ifu\_axi\_arlen[7:0]  
 ifu\_axi\_arsize[2:0]  
 ifu\_axi\_arburst[1:0]  
 ifu\_axi\_arlock  
 ifu\_axi\_arcache[3:0]  
 ifu\_axi\_arprot[2:0]  
 ifu\_axi\_arregion[3:0]  
 ifu\_axi\_arqos[3:0]  
 ifu\_axi\_arvalid  
 ifu\_axi\_arready  
 ifu\_axi\_rid[2:0]  
 ifu\_axi\_rdata[63:0]  
 ifu\_axi\_rresp[1:0]  
 ifu\_axi\_rlast  
 ifu\_axi\_rvalid  
 ifu\_axi\_rready  
 lsu\_axi  
 lsu\_axi\_awid[3:0]  
 lsu\_axi\_awaddr[31:0]  
 lsu\_axi\_awlen[7:0]  
 lsu\_axi\_awsz[2:0]  
 lsu\_axi\_awburst[1:0]  
 lsu\_axi\_awlock  
 lsu\_axi\_awcache[3:0]  
 lsu\_axi\_awprot[2:0]  
 lsu\_axi\_awregion[3:0]  
 lsu\_axi\_awqos[3:0]  
 lsu\_axi\_awvalid  
 lsu\_axi\_awready  
 lsu\_axi\_wdata[63:0]  
 lsu\_axi\_wstrb[7:0]  
 lsu\_axi\_wlast  
 lsu\_axi\_wvalid  
 lsu\_axi\_wready  
 lsu\_axi\_bid[3:0]  
 lsu\_axi\_bresp[1:0]  
 lsu\_axi\_bvalid  
 lsu\_axi\_bready  
 lsu\_axi\_and[3:0]  
 lsu\_axi\_araddr[31:0]  
 lsu\_axi\_arlen[7:0]  
 lsu\_axi\_arsize[2:0]  
 lsu\_axi\_arburst[1:0]  
 lsu\_axi\_arlock  
 lsu\_axi\_arcache[3:0]  
 lsu\_axi\_arprot[2:0]  
 lsu\_axi\_arregion[3:0]  
 lsu\_axi\_arqos[3:0]  
 lsu\_axi\_arvalid  
 lsu\_axi\_arready  
 lsu\_axi\_rid[3:0]  
 lsu\_axi\_rdata[63:0]  
 lsu\_axi\_rresp[1:0]  
 lsu\_axi\_rlast  
 lsu\_axi\_rvalid  
 lsu\_axi\_rready  
 sb\_axi  
 sb\_axi\_awid[0:0]  
 sb\_axi\_awaddr[31:0]  
 sb\_axi\_awlen[7:0]  
 sb\_axi\_awsz[2:0]  
 sb\_axi\_awburst[1:0]  
 sb\_axi\_awlock  
 sb\_axi\_awcache[3:0]  
 sb\_axi\_awprot[2:0]  
 sb\_axi\_awregion[3:0]  
 sb\_axi\_awqos[3:0]  
 sb\_axi\_awvalid  
 sb\_axi\_awready  
 sb\_axi\_wdata[63:0]  
 sb\_axi\_wstrb[7:0]  
 sb\_axi\_wlast  
 sb\_axi\_wvalid  
 sb\_axi\_wready  
 sb\_axi\_bid[0:0]  
 sb\_axi\_bresp[1:0]  
 sb\_axi\_bvalid  
 sb\_axi\_bready  
 sb\_axi\_and[0:0]  
 sb\_axi\_araddr[31:0]  
 sb\_axi\_arlen[7:0]  
 sb\_axi\_arsize[2:0]  
 sb\_axi\_arburst[1:0]  
 sb\_axi\_arlock  
 sb\_axi\_arcache[3:0]  
 sb\_axi\_arprot[2:0]  
 sb\_axi\_arregion[3:0]  
 sb\_axi\_arqos[3:0]  
 sb\_axi\_arvalid  
 sb\_axi\_arready  
 sb\_axi\_rid[0:0]  
 sb\_axi\_rdata[63:0]  
 sb\_axi\_rresp[1:0]  
 sb\_axi\_rlast  
 sb\_axi\_rvalid  
 sb\_axi\_rready  
 dmi\_reg\_rdata[31:0]