

m0_adr_i, m0_cti_i, m0_sel_i, m0_dat_i,
m0_we_i, m0_cyc_i, m0_stb_i

gnt[0]

gnt[1]

m1_adr_i, m1_cti_i, m1_sel_i, m1_dat_i,
m1_we_i, m1_cyc_i, m1_stb_i

m1_cyc_i, m0_cyc_i

conbus_arb

gnt[0]

gnt[1]

i_bus_m[72:71]

Address
decoder

slave_sel[0]
slave_sel[1]
slave_sel[2]
slave_sel[3]

m0_stb_i m1_stb_i

m0_cyc_i, m1_cyc_i

s0_stb_0

s0_stb_1

s0_stb_2

s0_stb_3

s0_adr_o, s0_cti_o, s0_sel_i, s0_dat_i, s0_we_o, s0_cyc_o	s0_dat_i
s1_adr_o, s1_cti_o, s1_sel_i, s1_dat_i, s1_we_o, s1_cyc_o	s1_dat_i
s2_adr_o, s2_cti_o, s2_sel_i, s2_dat_i, s2_we_o, s2_cyc_o	s2_dat_i
s3_adr_o, s3_cti_o, s3_sel_i, s3_dat_i, s3_we_o, s3_cyc_o	s3_dat_i

slave_sel[0]

s0_dat_i

slave_sel[1]

s1_dat_i

slave_sel[2]

s2_dat_i

slave_sel[3]

s3_dat_i

m0_dat_o

m1_dat_o

s0_dat_i

s1_dat_i

s2_dat_i

s3_dat_i

gnt[0]

m0_ack_o

gnt[1]

m1_ack_o