

conbus #(
 .s_addr_w(2),

 .s0_addr(2'b00), // bram
 .s1_addr(2'b01), // uart
 .s2_addr(2'b10), // timer
 .s3_addr(2'b11) // gpio

system.v

000	0	0	0	0	0	0	0
010	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0

uart_t *uart0 = (uart_t *) 0x20000000;
timer_t *timer0 = (timer_t *) 0x40000000;
gpio_t *gpio0 = (gpio_t *) 0x60000000;

soc-hw.c