

match_result[15:0]
clock
reset
arg[15:0]
key[15:0]
write_address[3:0]
read_enable
write_enable
data[0:15, 15:0]
[0, 15:0]
[1, 15:0]
[2, 15:0]
[3, 15:0]
[4, 15:0]
[5, 15:0]
[6, 15:0]
[7, 15:0]
[8, 15:0]
[9, 15:0]
[10, 15:0]
[11, 15:0]
[12, 15:0]
[13, 15:0]
[14, 15:0]
[15, 15:0]





