

```
TITLE "Scancode to BCD conversion";
%-----
    PS/2 input module : Scancode decoder
%-----
SUBDESIGN SC_TO_BCD
(
    SC[7..0]      : input;    -- Scancode input
    BCD[7..0]     : output;   -- BCD output
)
BEGIN
    TABLE      SC[] =>      BCD[];
        H"45"   =>      B"00000000";
        H"16"   =>      B"00000001";
        H"1E"   =>      B"00000010";
        H"26"   =>      B"00000011";
        H"25"   =>      B"00000100";
        H"2E"   =>      B"00000101";
        H"36"   =>      B"00000110";
        H"3D"   =>      B"00000111";
        H"3E"   =>      B"00001000";
        H"46"   =>      B"00001001";
        -- debug
        H"0F"   =>      B"00000001";
        H"8F"   =>      B"00000010";
    END TABLE;
END;
```