3rd Layer (LED_Driver)

LED_Driver

Mux2x1x4

"0000" —4/— D0[3:0]

D1[3:0]   Q[3:0] —4/— LED[3:0]

SEL

Compare2x4

D0[3:0] —4/— D0[3:0]

D1[3:0] —4/— D1[3:0]   EQ

Mux2x1x4

—4/— D0[3:0]

Compare2x4

D0[3:0]

"1111" —4/— D1[3:0]   Q[3:0] —4/—

"0000" —4/— D1[3:0]   EQ

SEL