When the launchpad is connected backwards, 3.3V is where PDI should be and GND is where PD0 should be.

R36 = (3.3 - Vd) / I_d, where Vd Ed is the operating point of the LED.

U1 is a standard Elna [10-17-47-58 connectors] because of LED drivers on PP3-1.

N25 through N29 are 220 ohms.