Prototype Engineering FPGA Shield Pinout

GPIO

+3.3V	PORT2_7 P142	PORT2_6 P139	PORT2_5 P135	PORT2_4 P132	PORT2_3 P130	PORT2_2 P127	PORT2_1 P125	PORT2_0 P121	GND
+3.3V	PORT3_7 P143	PORT3_6 P141	PORT3_5 P138	PORT3_4 P134	PORT3_3 P131	PORT3_2 P129	PORT3_1 P126	PORT3_0 P124	GND

GND   GND

PORT4_0 P5   PORT5_0 P4

PORT4_1 P7   PORT5_1 P6

PORT4_2 P10   PORT5_2 P8

PORT4_3 P12   PORT5_3 P11

PORT4_4 P21   PORT5_4 P20

PORT4_5 P25   PORT5_5 P24

PORT4_6 P28   PORT5_6 P27

PORT4_7 P30   PORT5_7 P29

+3.3V   +3.3V

| GND | PORT7_0 P42 | PORT7_1 P44 | PORT7_2 P46 | PORT7_3 P48 | PORT7_4 P58 | PORT7_5 P60 | PORT7_6 P63 | PORT7_7 P67 | +3.3V |
| GND | PORT6_0 P41 | PORT6_1 P43 | PORT6_2 P45 | PORT6_3 P47 | PORT6_4 P55 | PORT6_5 P59 | PORT6_6 P62 | PORT6_7 P64 | +3.3V |

+3.3V   +3.3V

PORT1_7 P105   PORT0_7 P104

PORT1_6 P102   PORT0_6 P101

PORT1_5 P98   PORT0_5 P96

PORT1_4 P93   PORT0_4 P92

PORT1_3 P91   PORT0_3 P90

PORT1_2 P87   PORT0_2 P85

PORT1_1 P83   PORT0_1 P82

PORT1_0 P77   PORT0_0 P76

GND   GND

*DUINO

NC

GND

D13 P113

D12 P112

RESET P3   D11 P111

+3.3V   D10 P110

NC   D9 P103

GND   D8 P99

GND

NC   D7 P88

   D6 P84

NC   D5 P79

NC   D4 P75

NC   D3 P71

NC   D2 P70

TWD P32   D1 P69
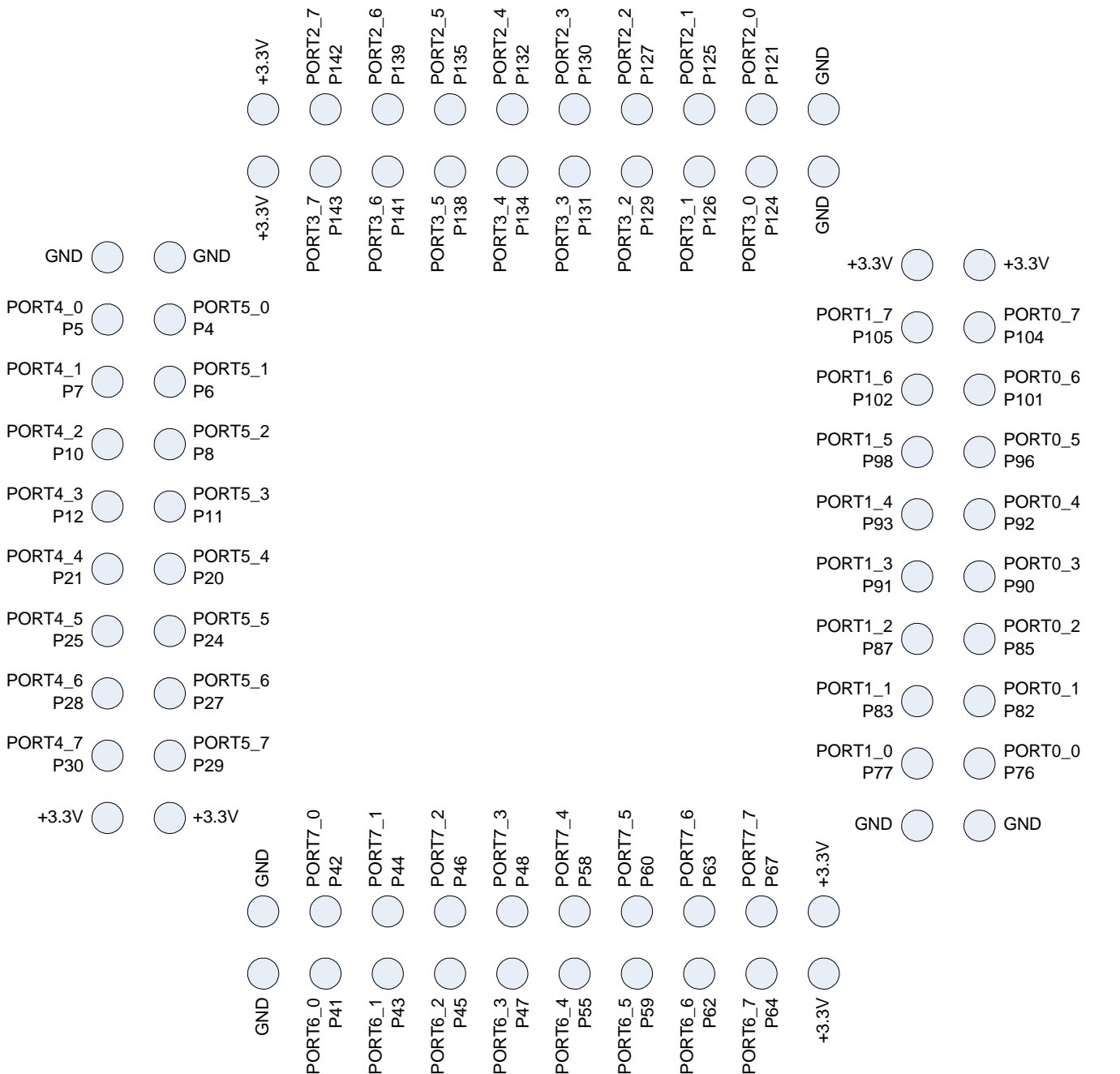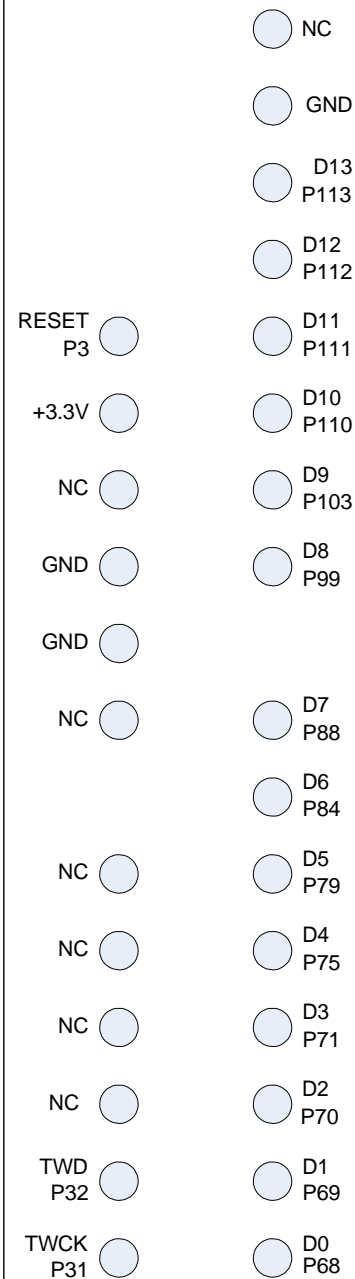
TWCK P31   D0 P68

OTHER

Green LED = P117

Red LED = P115

Switch = P78

50 MHz oscillator = P57