NG_Conn

J2

GND	— Brown
2	— White
SELECT	— Orange
START	— Salmon
D	— Yellow
C	— LtGreen
B	— DkGreen
A	— LtBlue
Right	— DkBlue
Left	— LtPink
Down	— Purple
Up	— DkGray
+5V	— LtGray

PWR_FLAG

GND

SELECT START D C B A RIGHT LEFT DOWN UP

PWR_FLAG

+5V

SNES_Conn_1

J1

+5V	— White
Clock	— Blue
Latch	— Yellow
Data	— Red
Ground	— Brown

+5V CLOCK LATCH DATA GND

GND

C1 C2
0.1uF 0.1uF

+5V

VCC AVCC
7 20

21 AREF

PB0 14
PB1 15
PB2 16
PB3 17
PB4 18
PB5 19

D1
GRN LED

68ohm
R1

GND

XTAL1/PB6 9 B
XTAL2/PB7 10 C

PC0 23 DATA
PC1 24 LATCH
PC2 25 CLOCK
PC3 26
PC4 27
PC5 28

RESET/PC6 1

C3
0.1uF

GND

PD0 2 UP
PD1 3 DOWN
PD2 4 LEFT
PD3 5 RIGHT
PD4 6 A
PD5 11 START
PD6 12 SELECT
PD7 13 D

U1

GND 8

ATmega328P-PU

GND