CN2
A-DF_09_A_KQ-T2S

UP	1	6	TRIG A
DOWN	2	7	TRIG B
LEFT	3	8	COM
RIGHT	4	9	GND
VCC	5		

GND

+5V

R4
1K

+5V

SW1
SW_FSM2JH

GND

C2
0.1uF

U1
AE-CH340E-TYPEC

NC NC
RTS
RXD
TXD
VCC
CTS
GND
NC NC

+5V

GND

Y1
CSTLS8M00G53-A0

IN
GND
OUT

GND

IC1
ATMEGA328P-PU

1	PC6 (PCINT14/RESET)	PC5 (ADC5/SCL/PCINT13)	28
2	PD0 (PCINT16/RXD)	PC4 (ADC4/SDA/PCINT12)	27
3	PD1 (PCINT17/TXD)	PC3 (ADC3/PCINT11)	26
4	PD2 (PCINT18/INT0)	PC2 (ADC2/PCINT10)	25
5	PD3 (PCINT19/OC2B/INT1)	PC1 (ADC1/PCINT9)	24
6	PD4 (PCINT20/XCK/T0)	PC0 (ADC0/PCINT8)	23
7	VCC	GND_2	22
8	GND_1	AREF	21
9	PB6 (PCINT6/XTAL1/TOSC1)	AVCC	20
10	PB7 (PCINT7/XTAL2/TOSC2)	PB5 (SCK/PCINT5)	19
11	PD5 (PCINT21/OC0B/T1)	PB4 (MISO/PCINT4)	18
12	PD6 (PCINT22/OC0A/AIN0)	PB3 (MOSI/OC2A/PCINT3)	17
13	PD7 (PCINT23/AIN1)	PB2 (SS/OC1B/PCINT2)	16
14	PB0 (PCINT0/CLKO/ICP1)	PB1 (OC1A/PCINT1)	15

+5V

C3
0.1uF

C1
100uF

GND

+5V

D2
1N4107

D1
1N4107

R3 2.2K

R2 470

R1 1K

R6 1K

R5 1K

CN1
PSX Controler connector

1	DO(DATA)
2	DI(CMD)
3	7.5V
4	GND
5	3.3V
6	CS(ATT)
7	CLK
8	NC
9	ACK
10	GLD

GND