VCC

C4 0.1uF

VCC

S1 TACT

R2 100

R3 47k

C1 22PF

X1 8MHz

C2 22PF

C12 0.1uF

C13 0.1uF

L4 4.7uH

GND

PS6

CN2

GND

VCC

U3

9	RESET	(PCINT7/ADC7)PA7	33	PA7	TPPAD1-10
		(PCINT6/ADC6)PA6	34	PA6	TPPAD1-10
		(PCINT5/ADC5)PA5	35	PA5	TPPAD1-10
12	XTAL2	(PCINT4/ADC4)PA4	36	PA4	TPPAD1-10
		(PCINT3/ADC3)PA3	37	PA3	TPPAD1-10
13	XTAL1	(PCINT2/ADC2)PA2	38	PA2	TPPAD1-10
		(PCINT1/ADC1)PA1	39	PA1	TPPAD1-10
32	AREF	(PCINT0/ADC0)PA0	40	PA0	TPPAD1-10
30	AVCC	(PCINT15/SCK)PB7	8	PB.7	TPPAD1-10
31	GND	(PCINT14/MISO)PB6	7	PB.6	TPPAD1-10
		(PCINT13/MOSI)PB5	6	PB.5	TPPAD1-10
10	VCC	(PCINT12/OC0B/SS)PB4	5	PB.4	TPPAD1-10
11	GND	(PCINT11/OC0A/AIN1)PB3	4	PB.3	TPPAD1-10
		(PCINT10/INT2/AIN0)PB2	3	PB.2	TPPAD1-10
		(PCINT9/CLKO/T1)PB1	2	PB.1	TPPAD1-10
		(PCINT6/XCK0/T0)PB0	1	PB.0	TPPAD1-10
		(ICINT23/TOSC2)PC7	29	PC.7	TPPAD1-10
		(PCINT22/TOSC1)PC6	28	PC.6	TPPAD1-10
		(PCINT21/TDI)PC5	27	PC.5	TPPAD1-10
		(PCINT20/TDO)PC4	26	PC.4	TPPAD1-10
		(PCINT19/TMS)PC3	25	PC.3	TPPAD1-10
		(PCINT18/TCK)PC2	24	PC.2	TPPAD1-10
		(PCINT17/SDA)PC1	23	PC.1	TPPAD1-10
		(PCINT16/SCL)PC0	22	PC.0	TPPAD1-10
		(PCINT31/OC2A)PD7	21	PD.7	TPPAD1-10
		(PCINT30/OC2B/ICP1)PD6	20	PD.6	TPPAD1-10
		(PCINT29/OC1A)PD5	19	PD.5	TPPAD1-10
		(PCINT28/XCK1/OC1B)PD4	18	PD.4	TPPAD1-10
		(PCINT27/TXD1/INT1)PD3	17	PD.3	TPPAD1-10
		(OCINT26/RXD1/INT0)PD2	16	PD.2	TPPAD1-10
		(PCINT25/TXD0)PD1	15	PD.1	TPPAD1-10
		(PCINT24/RXD0)PD0	14	PD.0	TPPAD1-10

ATmega644P

RED DS7

33k R19

VC2 VC2. tp

TPPAD1-10 TPPAD1-10 tp

D2 1S4

VCC

U4

LX GND OUT

HT7750

L1 47uH

100uF C3

100uF C11

33k R4

DS1 GREEN

G2 G2.

TPPAD1-10 TPPAD1-10

COM NO NC

S2 2MS1

S1 S2

GND

* Invalid tStop & bStop Remove(2013/06/05)

5x8 644 UTL-2

2013/05/14 Taishi