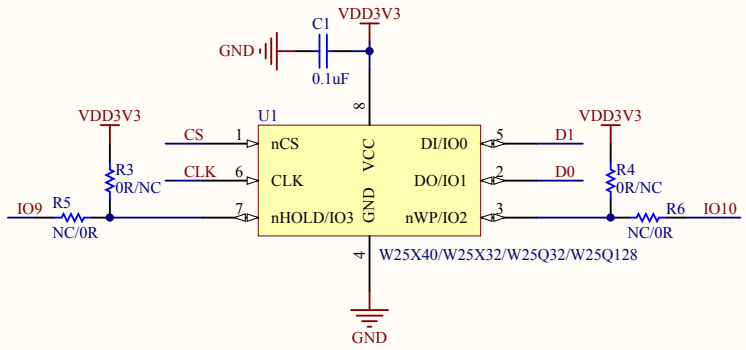
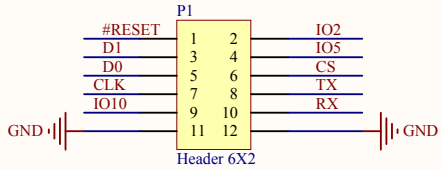
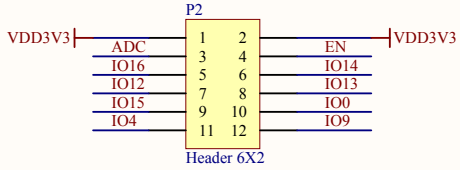
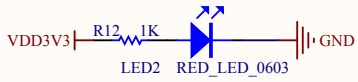
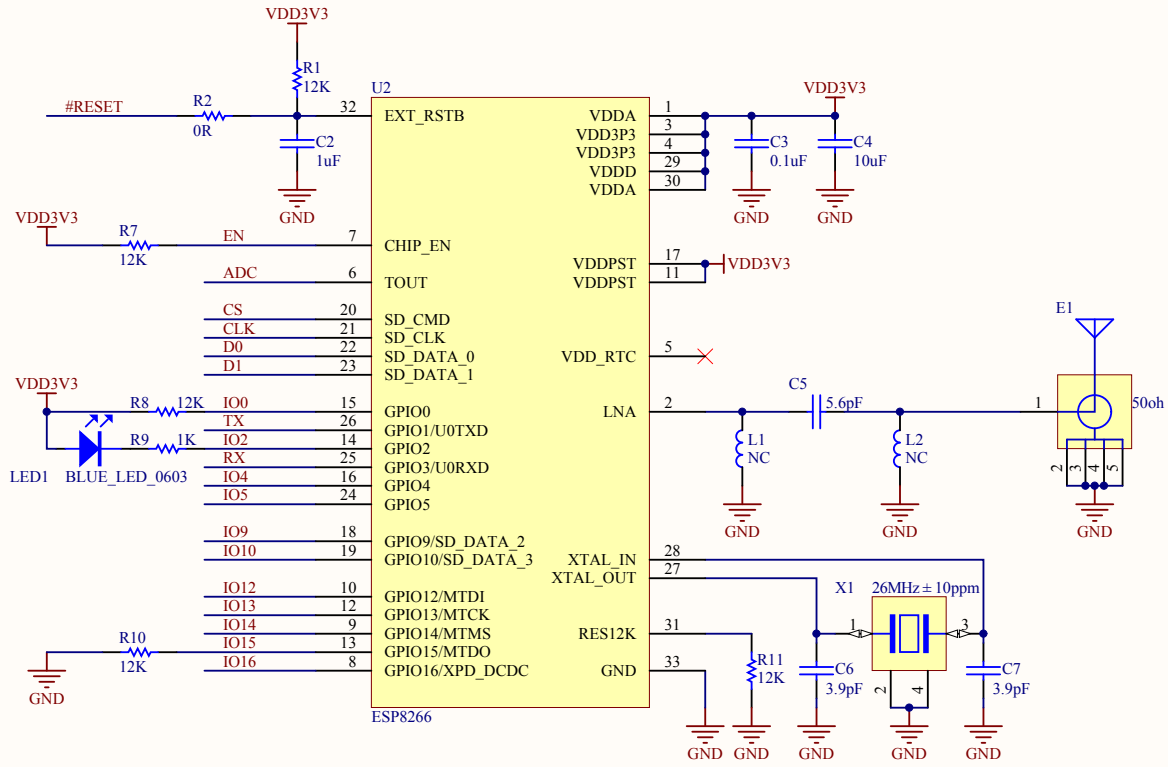


1 R3=NC,R4=NC,R5=0R,R6=0R--->QIO Mode;
2 R3=0R,R4=0R,R5=NC,R6=NC--->DIO Mode;
3 32Mbit (≤128Mbit)
4 sop8-150mil / USON 2x3mm

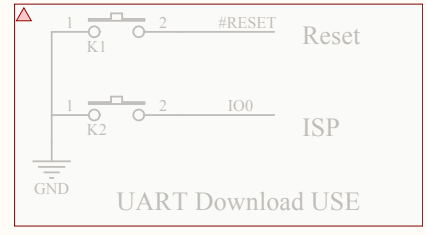




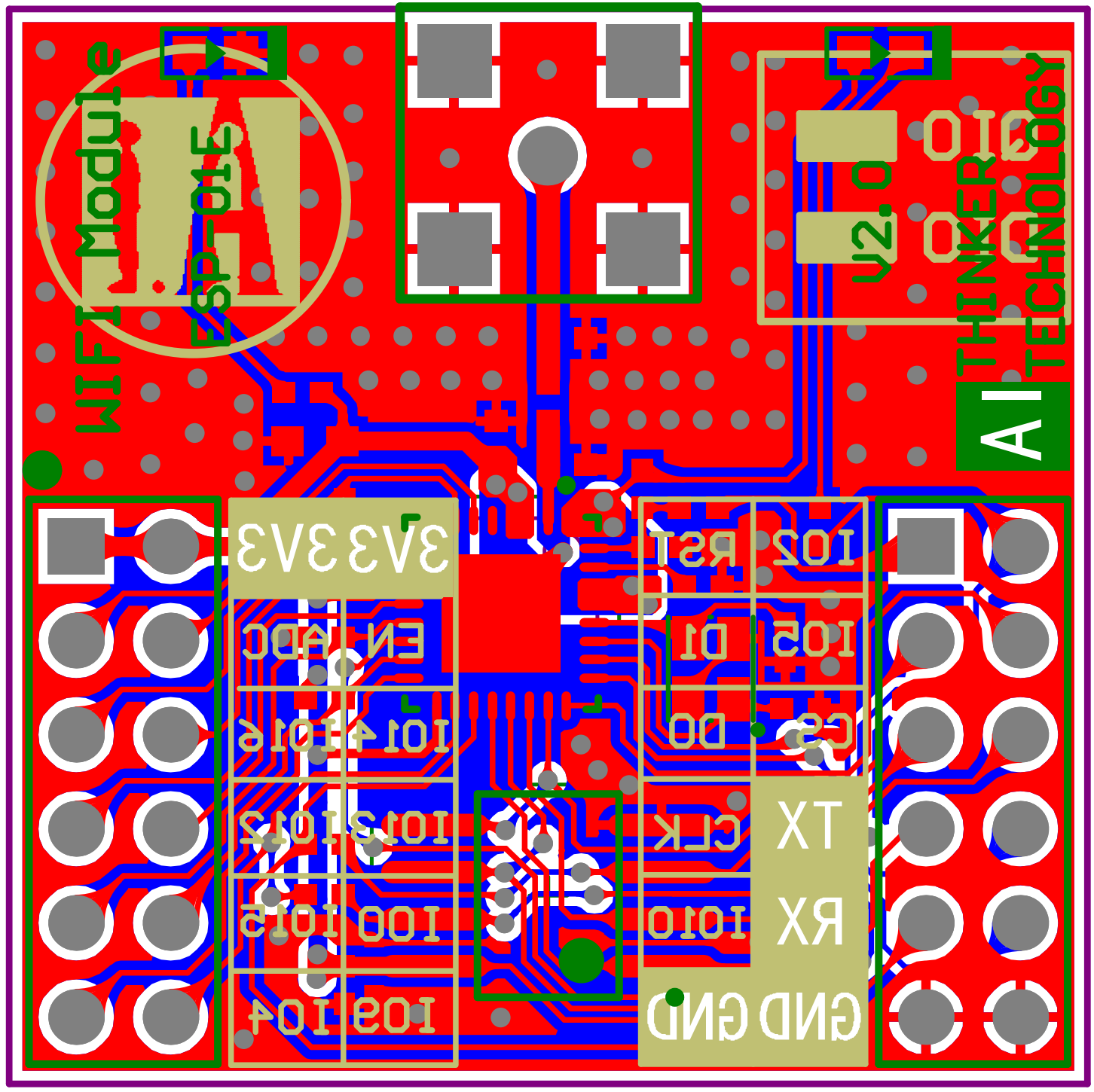




GPIO15	GPIO0	GPIO2	
1	X	X	SDIO/SPI WIFI
0	0	1	Uart Download
0	1	1	Flash Boot



Title: ESP-01E WIFI Module		AI Thinker
Size: A4	Revision: 2.0	
Date: 2015/4/21	Drawn By: Harri	
File: E:\MyWifiBoard\ESP-01E_DIP\ESP-01E-PCBV20\ESP-01E.SchDoc		


WIFI Module
ESP-01S
V2.0
THINKER
TECHNOLOGY
3V3
EN
RST
GPIO0
GPIO2
GPIO4
GPIO5
GPIO12
GPIO13
GPIO14
GPIO15
RX
TX
GND

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor	C1, C3	0402C	C0402	2
1uF	Capacitor	C2	0402C	C0402	1
10uF	Capacitor	C4	0603C	C0603	1
5.6pF	Capacitor	C5	0402C	C0402	1
3.9pF	Capacitor	C6, C7	0402C	C0402	2
50oh		E1	PCBComponent_1	E	1
NC	Surface mount inductor 0402	L1, L2	0402L	SMT_L_0402	2
BLUE_LED_0603	SMT LED	LED1	SMT_LED_0603	SMT_LED_0603	1
RED_LED_0603	SMT LED	LED2	SMT_LED_0603	SMT_LED_0603	1
Header 6X2	Header, 6-Pin, Dual row	P1, P2	JP12	Header 6X2	2
12K	Resistor	R1, R7, R8, R10, R11	0402R	R0402	5
0R	Resistor	R2	0402R	R0402	1
0R/NC	Resistor	R3, R4	0402R	R0402	2
NC/ 0R	Resistor	R5, R6	0402R	R0402	2
1K	Resistor	R9, R12	0402R	R0402	2
W25X40/ W25X32/ W25Q32/ W25Q128		U1	WSOP-8	W25QXX	1
ESP8266		U2	QFN32	ESP8266	1
26MHz ± 10ppm		X1	SMT_XTAL_2520	XAL	1