NODE MCU DEVKIT V1.0

VER	DATE
1.0	*25/01/2015*
ORGANIZATION	
NODE MCU TEAM	
WEBSITE	
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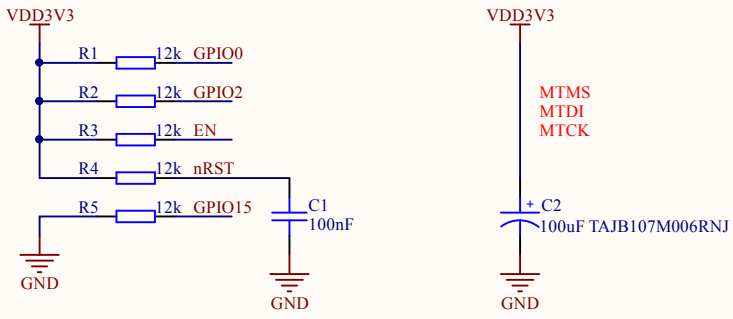
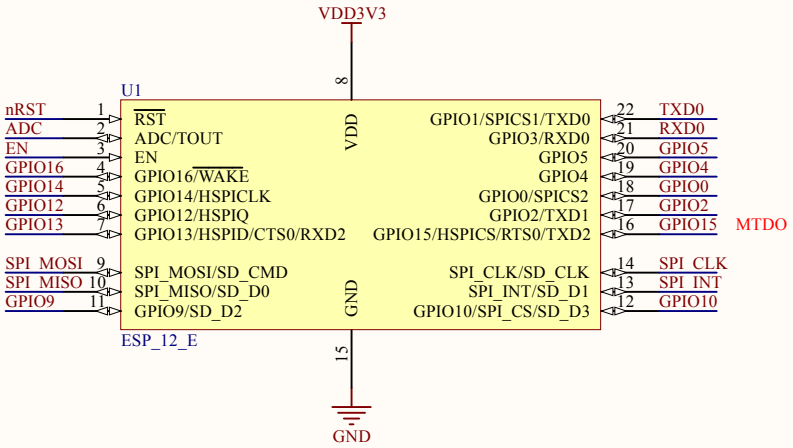
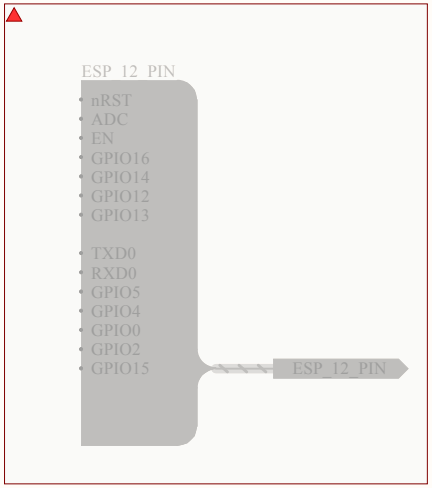
ESP-12 CORE



MATTERS NEEDING ATTENTION
On every boot/reset/wakeup,
GPIO15 MUST keep LOW, GPIO2 MUST keep HIGH.
GPIO0 HIGH ->RUN MODE, LOW -> FLASH MODE.
When you need to use the sleep mode,GPIO16 and RST should be connected,
and GPIO16 will output LOW to reset the system at the time of wakeup.





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1.0	*20/11/2014*
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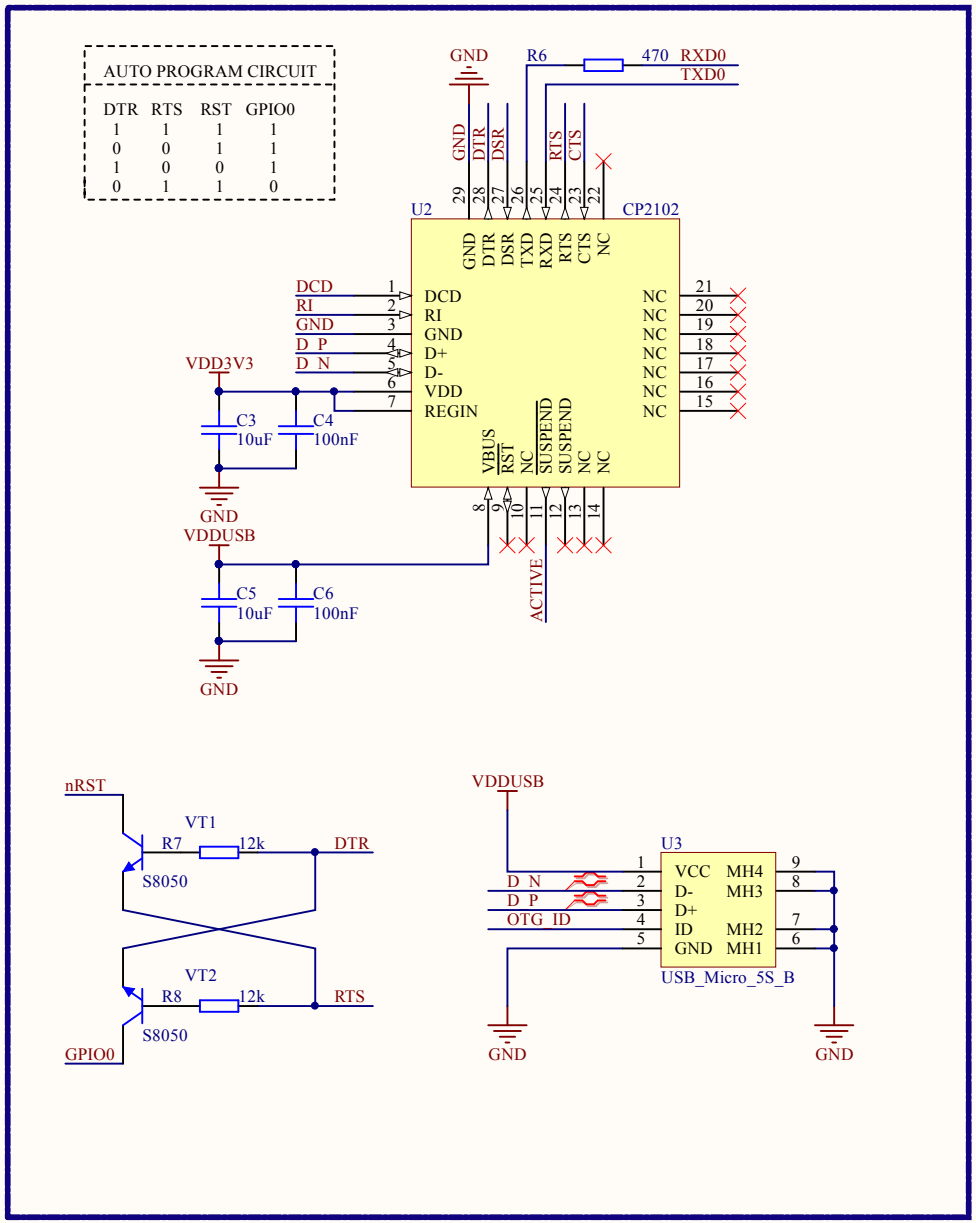
USB TO UART



VER	DATE
0.9	*20/11/2014*
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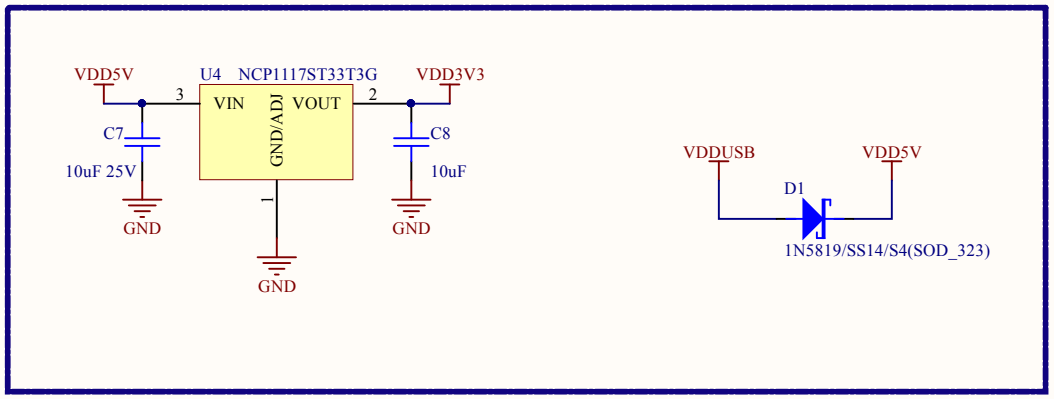
POWER



Working Output: 3.3V 800mA
Working Current Limit: 1000mA
Max Current: 1000mA
Max Supply Voltage: 20V
Voltage Dropout:1.2V@800mA

VER	DATE
1.0	*28/01/2015*
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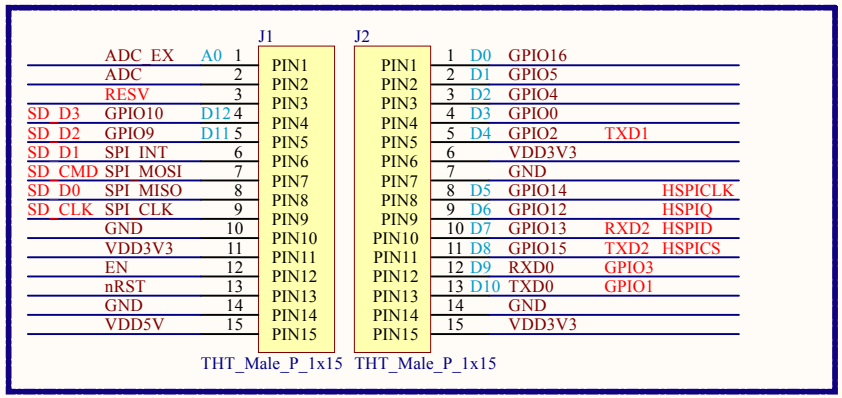
IO CONN



VER	DATE
0.9	*20/11/2014*
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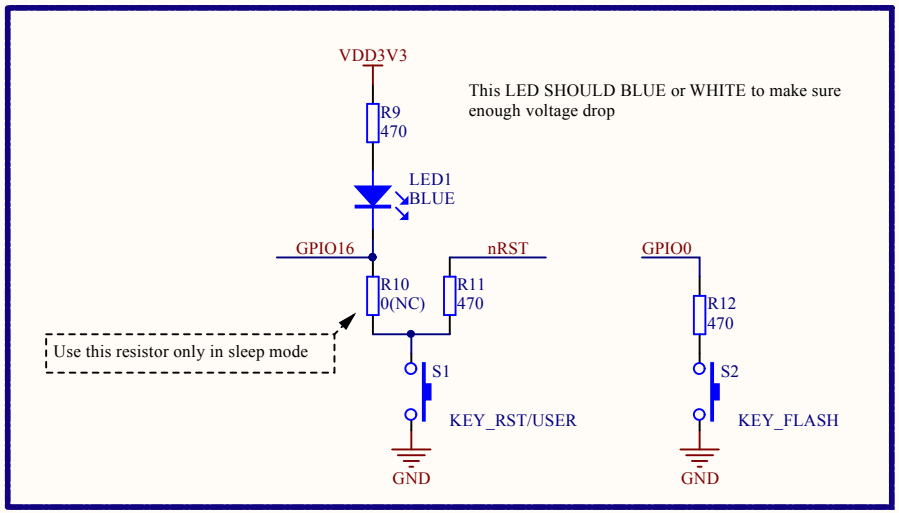
KEY



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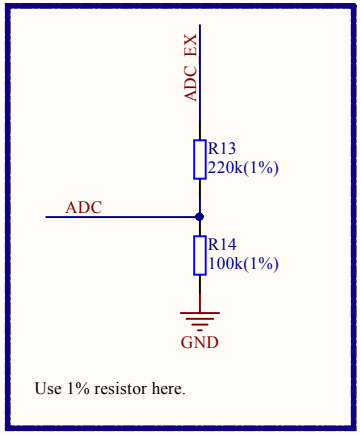
ADC



Use 1% resistor here.

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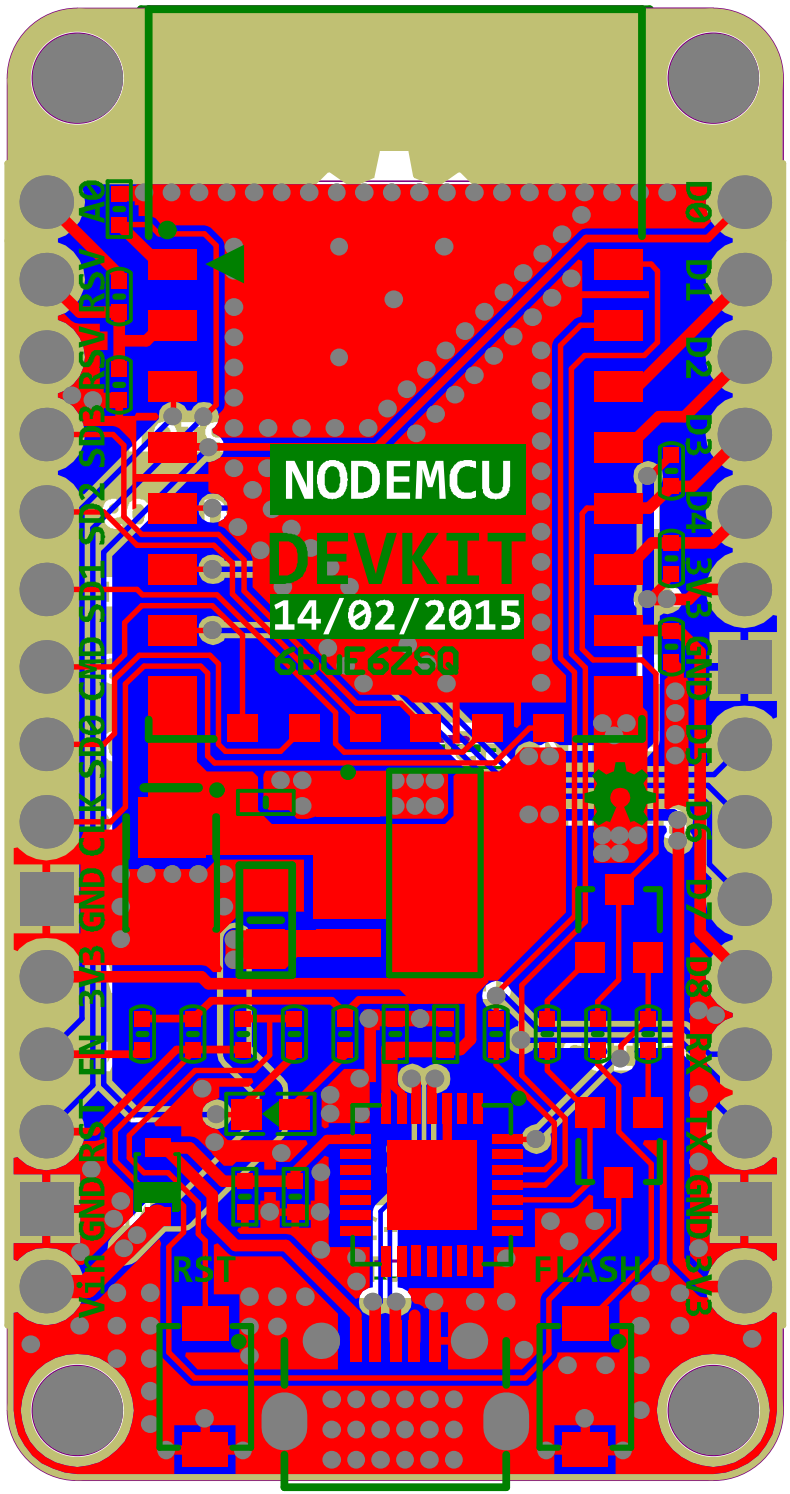

2.5400x4.8260cm

Bill of Materials

NODE MCU DEVKIT V1.0

Source Data From: NODEMCU_DEVKIT_V1.0.PrjPCB
Project: NODEMCU_DEVKIT_V1.0.PrjPCB
Variant: None

Creation Date: 2015/5/14 12:28:09
Print Date: 14-May-15 12:28:30 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
SMT_C_0402	100nF	SMT_C_0402	C1, C4, C6	Surface mount capacitor 0402	3
SMT_C_Tantalum_B	100uF TAJB107M006RNJ	SMT_C_Tantalum_B	C2	Capacitor, SM Tantalum; Body 3.5 x 2.8 mm (LxW typ)	1
SMT_C_0402	10uF	SMT_C_0402	C3, C5, C8	Surface mount capacitor 0402	3
SMT_C_0805	10uF 25V	SMT_C_0805	C7	Surface mount capacitor 0805	1
SMT_DIODE_SOD_323	1N5819/SS14/S4(SOD_323)	SMT_DIODE_SCHOTTKY_SOD_323	D1	Surface mount schottky diode SOD-323(0805) Package	1
THT_Male_P_1x15-2.54mm	THT_Male_P_1x15	THT_Male_P_1x15	J1, J2	THT Male pin header strip 1x15	2
SMT_LED_0603	BLUE	SMT_LED_0603	LED1	SMT LED	1
SMT_R_0402	12k	SMT_R_0402	R1, R2, R3, R4, R5, R7, R8	Surface mount resistor 0402	7
SMT_R_0402	470	SMT_R_0402	R6, R9, R11, R12	Surface mount resistor 0402	4
SMT_R_0402	0(NC)	SMT_R_0402	R10	Surface mount resistor 0402	1
SMT_R_0402	220k(1%)	SMT_R_0402	R13	Surface mount resistor 0402	1
SMT_R_0402	100k(1%)	SMT_R_0402	R14	Surface mount resistor 0402	1
SMT_SW_PTS_820	KEY_RST/USER	SMT_SW_PTS_820	S1	SMT Tactile ?Switch PTS 820 Series	1
SMT_SW_PTS_820	KEY_FLASH	SMT_SW_PTS_820	S2	SMT Tactile ?Switch PTS 820 Series	1
ESP_12_E_L	ESP_12_E	ESP_12_E	U1	ESP-12 Wi-Fi Module by AI-Thinker	1
CP2102	CP2102	CP2102	U2	CP2102	1
USB_MICRO_5S_B	USB_Micro_5S_B	USB_Micro_5S_B	U3	USB micro female SMT with 4 fixed foot	1
SOT-223	NCP1117ST33T3G	NCP1117	U4	NCP1117, NCV1117. 1.0 A Low-Dropout Positive Fixed and Adjustable Voltage Regulators	1
SMT_TRIODE_NPN	S8050	SMT_TRIODE_NPN	VT1, VT2	Surface mount NPN transistor, package SOT-23	2
					34

Approved **Notes**