## BOM for ESP-12E Dev Board

Designator J5	Value	Package	MANUFACTURER_NAME	MANUFACTURER_PART_NUMBER
J5				
	2		MOLEX	22035025
J8, J9, J11	3		MOLEX	22035035
J2, J4, J6, J7, J10	4		MOLEX	99990988
J3	8		MOLEX	99990992
U1	5V regulator	SOT-223	Diodes Incorporated	AZ1117H-5.0TRE1
U2	3.3V regulator	SOT-223	Diodes Incorporated	AZ1117H-3.3TRG1
C1, C4	10uF	C0805	Samsung Electro-Mechanics	CL21A106KAYNNNE
C2, C3, C8, C11, C12, C14	100nF	C0805	Samsung Electro-Mechanics	CL21F104ZBCNNNC
C5, C10	22uF	C0805	Samsung Electro-Mechanics	CL21A226MAQNNNF
U3	CH340C	SOP-16_150mil	Jiangsu Qin Heng	CH340C
C6, C13	100uF	SMC_B	AVX	TAJB107M010RNJ
C7, C9	220uF	6.3*7.7mm	ROQANG	VT1C221M0607
SJR1	ESP-12E	ESP8266-ESP12E	AI-Thinker	ESP-12E
LED1	green	LED0805	Orient	ORH-G35A
S1, S2	pushbutton	6.0*3.5mm	HYP (Hongyuan Precision)	1TS002B-2300-5000-CT
JP1	5.5*2.1mm	14.0*9.0mm	Korean Hroparts Elec	DC-005-20A
VR1	10k	RK09K1130BGM	ALPS Electric	RK09K1130AAU
R1, R2, R3, R4, R5, R6, R13	10k	R0805	Uniroyal Elec	0805W8F1002T5E
R8, R9	4.7k	R0805	Uniroyal Elec	0805W8F4701T5E
R12	47k(1%)	R0805	Uniroyal Elec	0805W8F4702T5E
R7, R10, R11	470	R0805	Guangdong Fenghua Advanced Tech	RS-05K471JT
D1, D2	1N5819W	SOD-123F	Shandong Jingdao Microelectronics	1N5819W
U4	TXB0104	TSSOP14	Texas Instruments	TXB0104PWR
Q1	UMH3N	SOT65P210X100-6N	Changjiang Electronics Tech	UMH3N
J1	ZX62-B-5PA(33)	ZX62B5PA33	Hirose	ZX62-B-5PA(33)
	J2, J4, J6, J7, J10 J3 U1 U2 C1, C4 C2, C3, C8, C11, C12, C14 C5, C10 U3 C6, C13 C7, C9 SJR1 LED1 S1, S2 JP1 VR1 R1, R2, R3, R4, R5, R6, R13 R8, R9 R12 R7, R10, R11 D1, D2 U4 Q1	J2, J4, J6, J7, J10  J3  U1  U2  3.3V regulator  C1, C4  C2, C3, C8, C11, C12, C14  C5, C10  U3  CH340C  C6, C13  C7, C9  SJR1  ESP-12E  LED1  S1, S2  pushbutton  JP1  VR1  R1, R2, R3, R4, R5, R6, R13  R8, R9  R12  R7, R10, R11  D1, D2  U4  Q1  SV regulator  5V regulator  10uF  CV regulator  10uF  EV 22uF  10ouF  22uF  SJR1  ESP-12E  ESP-12E  LED1  green  10k  R1, R2, R3, R4, R5, R6, R13  10k  R7, R10, R11  470  TXB0104  UMH3N	J2, J4, J6, J7, J10       4         J3       8         U1       5V regulator       SOT-223         U2       3.3V regulator       SOT-223         C1, C4       10uF       C0805         C2, C3, C8, C11, C12, C14       100nF       C0805         C5, C10       22uF       C0805         U3       CH340C       SOP-16_150mil         C6, C13       100uF       SMC_B         C7, C9       220uF       6.3*7.7mm         SJR1       ESP-12E       ESP8266-ESP12E         LED1       green       LED0805         S1, S2       pushbutton       6.0*3.5mm         JP1       5.5*2.1mm       14.0*9.0mm         VR1       10k       RK09K1130BGM         R1, R2, R3, R4, R5, R6, R13       10k       R0805         R8, R9       4.7k       R0805         R7, R10, R11       470       R0805         D1, D2       1N5819W       SOD-123F         U4       TXB0104       TSSOP14         Q1       UMH3N       SOT65P210X100-6N	J2, J4, J6, J7, J10         4         MOLEX           J3         8         MOLEX           U1         5V regulator         SOT-223         Diodes Incorporated           U2         3.3V regulator         SOT-223         Diodes Incorporated           C1, C4         10uF         C0805         Samsung Electro-Mechanics           C2, C3, C8, C11, C12, C14         100nF         C0805         Samsung Electro-Mechanics           C5, C10         22uF         C0805         Samsung Electro-Mechanics           U3         CH340C         SOP-16_150mil         Jiangsu Qin Heng           C6, C13         100uF         SMC_B         AVX           C7, C9         220uF         6.3*7.7mm         ROQANG           SJR1         ESP-12E         ESP8266-ESP12E         Al-Thinker           LED1         green         LED0805         Orient           S1, S2         pushbutton         6.0*3.5mm         HYP (Hongyuan Precision)           JP1         5.5*2.1mm         14.0*9.0mm         Korean Hroparts Elec           VR1         10k         RK09K1130BGM         ALPS Electric           R1, R2, R3, R4, R5, R6, R13         10k         R0805         Uniroyal Elec           R1, R2         47k(1%)