

Bill of Materials		System Schematic			
Source Data From:		PCB_Project.PrjPcb			
Project:		PCB_Project.PrjPcb			
Variant:		None			
Creation Date:		5/11/2017 5:39:59 PM			
Print Date:		11-May-17 5:40:04 PM			
Footprint	Comment	#Column Name E	Designator	Description	Quantity
CAPC0603(1608)100_M	CAP 10uF 10V 0603(1608)		C1, C2, C3, C5, C6, C7, C8, C9, C10, C11, C12, C13	CAP 10uF 10V ±20% 0603 (1608 Metric) Thickness 1mm SMD	12
CAPC0603(1608)100_L	22uF		C4	0603 (1608 Metric) Chip Capacitor	1
Cap. Array 0612	.1uF		CN1, CN2, CN3		3
FTSH-105-01-L-DV-K	JTAG HEADER		J1	10 pin 0.05" pitch header for JTAG	1
SCREW TERM 3 PIN 3.5mm	Screw Term		J2		1
1608[0603]	Inductor		L1	Inductor	1
TDK-IND0805-125_V	MLZ2012N100LT		L2, L3, L4, L5	Multilayer Inductor, 10 uH, ±20%, 300 mOhm, 50MHz, 0805(2012)	4
ESP8266 ESP-12-E	ESP8266 ESP-12E		M1	ESP8266 ESP-12-E	1
HDR2X2	Header 2X2		P1	Header, 2-Pin, Dual row	1
HDR1X5	Header 5		P2	Header, 5-Pin	1
SWIT-RASM722X_V	RASM722X		P3	Power Jack, 5 A, 250 V, 3-Pin SMD, RoHS, Bulk	1
RESC0603(1608)_N	DNP		R1, R2, R4, R5	Jumper 0603 (1608 Metric)	4
RESC0805(2012)_L	270		R3	100K 0.125W 5% 0805 (2012 Metric) SMD	1
RESC0805(2012)_L	100K		R6, R7, R10, R11, R12, R13, R14, R18	100K 0.125W 5% 0805 (2012 Metric) SMD	8
RESC0805(2012)_L	2.7K		R8, R15	100K 0.125W 5% 0805 (2012 Metric) SMD	2
RESC0603(1608)_N	0 Ohm		R9, R16, R17	Jumper 0603 (1608 Metric)	3
TAYO-AH316M-2_N	Chip Antenna		RF1	Chip Antenna, 2.4 to 2.5 GHz, -40 to 85 degC, 2-Pin SMD, Pb-Free, Tape and Reel	1
Keystone_5001	5001		TP1	TEST POINT PC MINI .040"D BLACK	1
M08A_L	LM358MX		U1	Low Power Dual Operational Amplifier, 8-pin Narrow SOIC	1
TI-RGC64-7300x7300TP_L	CC3200		U2	SimpleLink Wi-Fi and Internet-of-Things Solution, a Single-Chip Wireless MCU, 2.1 to 3.6 V, -40 to 85 degC, 64-Pin PQFN (RGC64), Green (RoHS & no Sb/Br), Tray	1
8SOIC TDK-DEA202450BT-1294C1-H_V	16MBIT FLASH 2.4 GHz BPF		U3	16 MBIT FLASH SPI 8SOIC	1
			U4	2.4 GHz Filter	1
DSG0008A_V	Buck Regulator		U5	Buck Step Down Regulator with 3 to 17 V Input and 3.3 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no Sb/Br)	1
AVX-CX3225GB-4_V	40MHz Crystal		X1	Crystal Unit, 8 pF, 25000 kHz, -10 to 70 degC, 4-Pin 3.2 x 2.5 x 0.8 mm SMD, RoHS, Tape and Reel	1
					53
Approved		Notes			