					Manufacture	
Comment	Description Meandered	Designator	Footprint PC8- wx81mnio3p969u8 b8u4u-1	LibRef CMP-	Number Number	Quantity
WIFI_ANTENNA	Meandered Inverted-F Antenna 0805 1 uF 25 V ± 10 % Tolerance	A1	w.simmio3p969u8 b8u4u-1	CMP- rrvfputv9e4hvqtxb gt68-5		1
1uf	Antenna 0805 1 uF 25 V ± 10 % Tolerance X7R SMI Multilayer Ceramic Capacitor	C1, C6, C10	C0805	CMP- 77c3bc4dc880a804 3	CC0805KKK/7R8881 05	3
	15pF ±1% 50V COG, NPO Ceramic					
	15pF ± 1% 50V COG, NPO Ceramic Capacitor -55°C ~ 125°C Surface Mount, MLCC 0402 (1005 Metric) 0.039° L x 0.020° W 11 00bers - 0.60bers		000			
15pF	0402 (1005 Metric) 0.039" L x 0.020" W (1.00mm x 0.50mm) CAP CER 2.4PF 50V	C2, C3	PCB- 98fz84kwkqgd8op jlb99-1	CMP- a0ab688c22207%c- 1	GRM1555C1H150F A01D GJM1555C1H2R4C	2
2.4pf	NP0 0402	C4	CAPC1005X55X25 ML05T10	CMP-119517-2	GJM1555C1H2R4C 801D	1
	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0402 3.0pf 50volts COG +/-0.25pF		CABCIDIONES		GRM1555C1H3R0C	
3pf	3.0pF 50volts C0G +/-0.25pF CL10 Series 0.47 uF 16 V ±10 %	CS .	CAPC1005X55X25 ML05T10	CMP-2512733-2	GRM1555C1H3R0C A01D	1
0.47uF	uf 16 V ± 10 % Tolerance X7R SMT Multilayer Ceramic Capacitor Cap Ceramic 10uf		CAPC1608X90X35 ML15T15	CMP- 55ff9c78cd6f8a38-		
	Ceramic Capacitor Cap Ceramic 10uF 25V XSR 10% SMD 0805 85C Paper T/R		ers.	1 CMP- 6-7-064747429916	TMK21288/106KG-	
10uF	0.1uF, ±10%, 50V,	C8	38visoeo84t9gm7 0k7i-1 PC8-	5e7a9647d7d381b d-6	1 MK21288J106KG- T	1
0.1uF	Multilayer Ceramic Capacitor	C9, C11, C12	PC8- oygqt4xf3sesynjcl q4r-1	CMP-2758844-5	CL21B104KBCNINN C	3
3V3_PWR	X7R, 0805, Multilayer Ceramic Capacitor Blue 1.6 x 0.8 x 0.3 mm 130° Clear 180 mcd 3.8 V Surface Mount LED LED; SMD; 0603; red; 18-54mcd; 1.6x0.8x0.55erer; 130°; 2-2-4V; 20mA	D1	PCB-1544848-1	CMP- 1666d74e5acac0a1-	LTST-C194TBKT	
	LED; SMD; 0603; red; 18-54mcd; 1.6x0.8x0 55mm					
5V_PWR	DC Power	D2	DIOM160BX06N	CMP-1544848-9		1
	Connectors DC POWER JACK 2.5MM PIN TYPE		ADAM-ADC-002-			
PWR_IN	002	J1	3.V	CMP-3153101-9	ADC-002-2	1
	Conn; Rect; UnshroudedHdr; 6Cnts; ThruHole; BergStik; 2.54mmPin-Spng; Vert; 1-Row		PCB- di8nzhz8ya7afv8i1	CMP- ea272149382c35e0		
UART	2 pin male header	12	myi-1	4 CM9- 08fac3900112d73d		1
RST	straight tht	В	Jumper	14		1
BOOT_MODE	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	34	PCB- s0hfil6Splaomi4ibv cw-1	CMP- 8a90426ffa175557- 34		1
	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins		PCB-			
DHT1		15	PC8- s0hfil6Splaomi4ibv cw-1	CMP- 8a90426Ha175557- 34		1
	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins		PCB- s0hfil65plaomi4ibv	CMP- 8a90426Ha175557-		
DHT2	Single Row, 3 pins THT Vertical Pin	26	cw-1			1
DHT3	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	п	PCB- s0hfil65plaomi4ibv cw-1	CMP- 8a90426ffa175557- 34		1
	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins		PCB-			
DHT4		18	PCB- s0hfil65plaomi4ibv cw-1	CMP- 8a/90426Ha175557- 34		1
ADC 0	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins		PCB- s0hfil65plaomi4ibv cw-1	CMP- 8x90426Hs175557- 34		
ADC_0				34 OMP-		1
ADC_1	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	J10	PCB- s0hfil65plaomi4ibv cw-1	CMP- 8a90426ffa175557- 34		1
	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins		PCB-	CMP- 8x90426Hs175557- 34		
ADC_2	Frisch Z.54 mm, Single Row, 3 pins	J11	s0hfil6Splaomi4ibv cw-1	0a90426ffa175557- 34		1
ADC_3	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	112	PCB- s0hfil65plaomi4ibv cw-1	CMP- 8a90426ffa175557- 34		
				OMP.		
ADC_4	THT Vertical Pin Header WR-PHD, Pitch 2:54 mm, Single Row, 3 pins	J13	PC8- s0hfil6Splaomi4ibv cw-1	CMP- 8a90426Ha175557- 34		1
	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins		PCB- s0hfil65plaomi4ibv	CMP- 8x90426Hx175557-		
ADC_5		J14	cw-1	8a90426ffa175557- 34		1
ADC 6	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins	ns.	PCB- s0hfil65plaomi4ibv cw-1	CMP- 8a90426Ha175557- 34		
	THT Vertical Pin Header WR.04P	-	PCB-	CMP-		
ADC_7	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 3 pins Inductor RF Chip Thin Film 2.2nH 0.1nH 500MHz 14Q-Factor 600mA 150m0/hm DCB	J16	s0hfil65plaomi4ibv cw-1	8a90426ffa175557- 34		1
	Thin Film 2.2nH 0.1nH 500MHz 14Q-Factor 600m4		PCB-	CMP-		
2.2nH	0201 Paper T/R	LI	vg5vda2wcniu3fh2 gltx-1	CMP- 80494860bc425f8e- 1	LQP03TN2N2802D	1
	Surface Mount High Frequency Inductor, LQW15AN Series,					
4.3nH	Inductor, LQW15AN Series, 4.3 nH, 0.1nH, 0402 [1005 Metric], 10 GHz	12	PCB- vetezry5jn2cqs6s1 af8-1	CMP- e5012c7543d03ac6 1	LQW 15AN4N3800 D	1
	Res Thick Film 0603 12K Ohm 1%					
	0.1W(1/10W) ± 100ppm/C Molded SMD Automotive Paper		RESC 1609XS0X30LL			
12k	T/R Thick Film Resistors - SMD 1/8watts 180ohms	JK1	10720	CMP-1857522-10		1
180		R2, R3	RESC2013X60X30N L20T20 PCB-	CMP-3657049-2 CMP- 1974d512e663c6b3	RK73H2ATTD1800F	2
10k	Res, AEC-Q200, Thick Film, 10K, 5%, 0603	R4, R5, R6, R8, R10	PCB- urbe6pl2f36u5sj9z 9e0-1	1974d512ef63c6b3 1	CRGCQ0603J10K	5
	Res Thick Film 0603 499 Chm 1%. 1/10W ±100ppm/C Molded SMD Paper I/R. Res Thick Film 0603 4.7K Ohm 5%. 0.1WI/10W) ±200ppm/C Molded SMD Automotive Punched Paper					
499	Paper T/R Res Thick Film	R7	RESC1609XS0X30M L10T20	CMP-3835606-2	CRCW0603499RFK EA	1
	ue03 4.7K Ohm 5% 0.1W(1/10W) ±200ppm/C					
4.7k	1.0		RESC 1608XSSX30M L20T10	CMP-2823469-2	RK7381JTTD472J	
e./k	T/R Thick Film Resistors - SMD 0603 150Kohms	JKJ		CMP-2823469-2	8A.7381JTTD472J	
150k	0603 150Kohms 1% Tol Thick Film Resistors - SMD	R11	RESC 1608XS5X30LL 15T15	CMP-3654711-2	ERU-3EKF1503V	1
75k	0603 75Kohms 1%	R12	RESC 1608XS5X30LL 15T15	CMP-3654871-2	ERU-3EKF7502V	1
2.2k	Res, AEC-Q200, Thick Film, 2K2, 5%, 0603	R13	PCB- 2t5N6a742zfbi334 4hk-1	CMP- ce770211389311b0 1	CRGCQ0603/2K2	1
CHIP_EN	Switch Tactile Spst	\$1	PCB- xzcf6rj7v3ysitq80b 7I-1	CMP- 32abff024869ed6c- 2		1
	No 0.02a 15v RF Transceiver 64QAM,8PSX/CCK/ DSSS/OFDM 2.7V to 3.6V 2400MHz to 2483.5MHz 32- tic-CEM		0/9	CMB		
ESP8285H16	to 3.6V 2400MHz to 2483.5MHz 32- Pin QFN	U1	PC8- 1fh2hqe1x48mh17 li7t6-1	CMP- 265ae9019d32999d 2	ESP8285H16	1
	Pin CPN S-V, 8: 1, 1- channel general- purpose analog multipleser 16- TSSOP -40 to 85 500-mA low-IQ		ers.	CMP- 299ae6973f1af05d-		
SN74LV4051APWR	TSSOP -40 to 85 500-mA low-IQ	U2	s2tlwx05pg4l7j3eq 4ax-1	4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SN74LV4051APWR	1
TLV75533PDBVR	small-size low- dropout (LDO) regulator 5-SOT- 23 -40 to 125	U3	PCB- 9xapb279xxlk04nj nstk-1	CMP- a508697234f37acf- 1	TLV75533PDBVR	
26MHz		X1	PCB-1zhjv6m1p58g	1 CMP-932d5a23796a	A8M8-26.000MHZ-1	1















