

AIRJET-S 2018.09.28

MAIN PCB							
Num	ITEM	SPECIFICATION	VENDOR	QTY	UNIT	Location	REMARK
1	AIRJET-S MAIN PCB	FR-4 CTI600, 138*138*1.6T	PCB,(KINGSUM)	1	EA	PCB	
2	DC0005Y-AHPB9AT04	DC POWER JACK, 2PI DC 20V 4A, WHITE	DC JACK,(Bsun)	1	EA	P1	
3	J500URGB49-A	R,G,B DIP LED	LED,(L&S ELEC)	2	EA	D3,D4	
4	ALP250D	SLT-140070F-05040	BUZZER,(DGSPL)	1	EA	BZR1	
5	DR6575-F680	68uH 47.5±2Ts 9.5x13.5mm	CHOKE COIL,(FEELUX)	1	EA	L1	
6	2434210G0DSU01	1.27mm SOCKET 10PIN(2X5) BLACK	SOCKET,(JINLING)	1	EA	U6	
7	ATMEGA324PB-AU	20MHz SPEED, 1.8~5.5V, 44A PACKAGE	IC,(MICROCHIP)	1	EA	U3	
8	0466003.NR	0466 32V 3A 3216 SMD	FUSE,(LITTEL FUSE)	1	EA	F1	
9	KTC4378-Y-RTF/P	SOT-89 60V 1A SMD	TR,KEC(SEMICONDUCTOR)	1	EA	Q1	
10	A7	SOD123FL 1KV 1A	DIODE,(JILIN SINO)	1	EA	D1	
11	SMBJ12A	SMB, Pppm 600W, IFSM 100A, VBR 13.30V~14.70V	DIODE,(BRIGHTKING)	1	EA	D2	
12	CB2012PK221	CB2012 220Ω, 2A, SMD	BEAD,(SAMWHA)	3	EA	FL1,FL2,FL3	
13	NR263S	SOIC-8 IN.6.5V~31V, OUT.5V 1A, 500KHz	IC,(SANKEN)	1	EA	U8	
14	KIA358F-EL/P	FLP-8 36V 1.2mA 8PIN SMD	IC,KEC(SEMICONDUCTOR)	1	EA	U1	
15	HS3004	IDT HS3004 (Humidity & Temperature Sensor IC)	HUMIDITY SENSOR,(IDT)	1	EA	U2	
16	MCP1824S	MCP1824S (SOT223-3)	IC,(MICROCHIP)	1	EA	U4	
17	WM88300	WM88300	IC,(ZOWEE)	1	EA	U5	
18	TXB0106PWR	TSSOP 16-Pin	IC,(TI)	1	EA	U7	
19	S3B16.000F1220F30	S3B 16Mhz CRYSTAL SMD 3225	CRYSTAL SMD,(HUASONG)	1	EA	Y1	
20	RC0603FR-070RL	1608 CHIP 1/10W 0Ω F	RES_CHIP,(YAGEO)	2	EA	R6,R15	
21	RC0603FR-0722RL	1608 CHIP 1/10W 22Ω F	RES_CHIP,(YAGEO)	1	EA	R116	
22	RC0603FR-07100RL	1608 CHIP 1/10W 100Ω F	RES_CHIP,(YAGEO)	3	EA	R7,R113,R115	
23	RC0603FR-07330RL	1608 CHIP 1/10W 330Ω F	RES_CHIP,(YAGEO)	2	EA	R13,R14	
24	RC0603FR-07470RL	1608 CHIP 1/10W 470Ω F	RES_CHIP,(YAGEO)	1	EA	R12	
25	RC0603FR-072K2L	1608 CHIP 1/10W 2.2KΩ F	RES_CHIP,(YAGEO)	6	EA	R1,R2,R19,R20,R22,R24	
26	RC0603FR-074K7L	1608 CHIP 1/10W 4.7KΩ F	RES_CHIP,(YAGEO)	1	EA	R5	
27	RC0603FR-0710KL	1608 CHIP 1/10W 10KΩ F	RES_CHIP,(YAGEO)	6	EA	R3,R4,R11,R16,R21,R23	
28	RC1206FR-07100KL	3216 CHIP 1/4W 100KΩ F	RES_CHIP,(YAGEO)	1	EA	R114	
29	CC0603JRNPO9BN180	1608 CHIP 50V 180J COG	MLCC,(YAGEO)	2	EA	C13,C14	
30	CC0603KRX7R9BB103	1608 CHIP 50V 103K X7R	MLCC,(YAGEO)	1	EA	C26	
31	CC0603KRX7R9BB104	1608 CHIP 50V 104K X7R	MLCC,(YAGEO)	17	EA	C5,C6,C9,C10,C11,C16,C17,C20,C22,C23,C25,C27,C33,C45,C47,C51,C52	
32	CC0603KRX7R7BB105	1608 CHIP 16V 105K X7R	MLCC,(YAGEO)	3	EA	C8,C12,C21	
33	CC0805KKX5R7BB106	2012 CHIP 16V 106K X5R	MLCC,(YAGEO)	6	EA	C7,C18,C19,C24,C28,C29	
34	FZ 35V 220uF (8*10)	FZ 35V 220uF (8*10) SMD	ELEC/CAP,(SEMTECH)	1	EA	C15	
35	FZ 16V 470uF (8*10)	FZ 16V 470uF (8*10) SMD	ELEC/CAP,(SEMTECH)	4	EA	C48,C49,C50,C53	
36	15001WS-06C	15001WS, 1.5mm PITCH, 6PIN WHITE (Straight)	WAFER,(YEONHO)	1	EA	J4	
37	PMS7003	PM2.5, 10PIN	Dust Sensor(PLANTOWER)	1	EA	(U6)	
SUB							
Num	ITEM	SPECIFICATION	VENDOR	QTY	UNIT	Location	REMARK
1	AIRJET-S SUB PCB	FR-4 CTI600, 39.5*20*1.6T	PCB,(KINGSUM)	1	EA	SUB PCB	
2	15-22/R6G6C-A32/2T(R/G)	GRN,RED (2.7*3.2), SMD	LED,(EVERLIGHT)	1	EA	LED21	
3	CC0805KKX5R7BB106	2012 CHIP 16V 106K X5R	MLCC,(YAGEO)	4	EA	C43,C44,C45,C46	
4	ITS1105	TACT DC12V 50mA TAPING 5mm(H) SMD	SWITCH,(Various)	1	EA	SW21	
5	15001WR-06	15001WR, 1.5mm PITCH, 6PIN WHITE (Right Angle) SMD	WAFER,(YEONHO)	1	EA	J21	
6	15001WR-02	15001WR, 1.5mm PITCH, 2PIN WHITE (Right Angle) SMD	WAFER,(YEONHO)	1	EA	J22	
7	A1501-H06(B)	2P, 100mm, 26#, BLUE	CABLE ASSEMBLY(Any)	1	EA	CABLE	
8	A1501-H06(R)	2P, 160mm, 26#, RED	CABLE ASSEMBLY(Any)	1	EA	CABLE	
9	ZM6P-F	6P MAGNETIC POGO CONNECTOR(FEMALE)	CONNECTOR(POMAGTOR)	1	EA	CONNECTOR	
10	ZM6P-M	6P MAGNETIC POGO CONNECTOR(MALE)	CONNECTOR(POMAGTOR)	1	EA	CONNECTOR	
FAN							
Num	ITEM	SPECIFICATION	VENDOR	QTY	UNIT	Location	REMARK
1	FAN MOTOR	JDH14025S, 133.5mm, 2PIN, BLACK	FAN MOTOR(JSL)	1	EA	FAN	

BOM of WM88300 WiFi Module

Location	Item	Specification	Unit	Usage quantity
C3,C4	SMT Capacitor	X5R-1uF-±20%-6.3V	PCS	2
C8,C21,C22,C23,C24,C25,C26	SMT Capacitor	X7R-0.01uF-±10%-10V	PCS	7
C9,C10,C12,C13,C14,C16,C17,C27,C28,C29	SMT Capacitor	X5R-0.1uF-±10%-6.3V	PCS	10
C18,C19,C20	SMT Capacitor	X5R-2.2uF-±20%-6.3V	PCS	3
C34	SMT Capacitor	NPO-10pF-±5%-25V	PCS	1
C38, C39	SMT Capacitor	Not Mounted	PCS	-
C1,C2,C11	SMT Capacitor	X5R-10uF-±20%-6.3V	PCS	3
J1	RF connector	Murata(MM8430-2610B)	PCS	1
CON1	RF connector	Not Mounted	PCS	-
L1	SMT inductance	2.2uH-±20%-1.80A-0.08Ω-SMD-2.5*2.0*1.2mm-HF	PCS	1
L2	SMT inductance	Not Mounted	PCS	-
R1	SMT resistance	6.04kΩ-±1%-1/20W	PCS	1
R4,R5,R6,R7	SMT resistance	10kΩ-±1%-1/20W	PCS	4
R10,R12,R14	SMT resistance	0Ω-±5%-1/20W	PCS	3
R11, R13	SMT resistance	Not Mounted	PCS	-
U1	Main IC	IC-MARVELL-88MW300-WLAN -MICROCONTROLLER-SoC-QFN68L-0.4mm 8x8x0.85mm-ROHS-MARVELL	PCS	1
U3	SPI FLASH	16Mbit-104MHz-2.7V~3.6V-SOIC8	PCS	1
Y1	Crystal	SMD-Frequency-38.4MHz-±10PPM-10pF	PCS	1
FL1	Band-pass Filter	Band-Pass Filter-IL<1.3dB-50Ω-Max LGA-3-2400~2500MHz-1.6*0.8*0.7mm	PCS	1
	RF shield	RF shield-(19.26mm *18.75mm*2.60mm;T=0.20mm) -Copper-Nickel-Zinc Alloy- ROHS	PCS	1
	PCB	Single board-28.5*21.0*0.8mm-4layer	PCS	1