















Comment	Description	Designator 3V3. 5V. 12V.	Footprint	LibRef	Quantity
TP_TH_30mil	Test point 30mil hole	GND100, TP_FTDI_RX,	TP_TH_30mil	TP_TH_30mil	
	size	TP_FTDI_TX, V_WIFI, WIFI_RXD, WIFI_TXD BS1, BS2, C36_TP, C37_TP, C38_TP, CS#,			
TP_TH_10mil	Test point 10mil hole size	D0_TP, D1_TP, D2_TP, D3_TP, D4_TP, D5_TP, D6_TP, D7_TP, D/C#, E/RD#, GND_TP,	TP_TH_10mil	TP_TH_10mil	
		I2C_SDA, I2C_SDCL, NTC, R26_TP, R/W#, RES#			
		C100, C104, C109, C200, C202, C205,			
0.1uF 10%	CAP CER 0.1UF 50V X7R 0603	C208, C210, C212, C500, C504, C505, C506, C508, C509, C600, C602, C603	0603_	Cap_0.1uF_0603_50V	
4.7uF 10%	CAP CER 4.7UF 6.3V X5R 0603	C101, C206, C507, C510	0603	Cap_4.7uF_0603_6.3V	
10 μF 20%	CAP CER 10UF 6.3V X5R 0805	C102, C601	0805_	Cap_10uf_0806_6.3V	
88PF 1%	CAP CER 88PF 50V NPO 0805	C103	0805_	Cap_88pF_0806_50V	
22uF 10%	CAP CER 22UF 16V X5R 0805	C105, C110	0805_	Cap_22uF_0806_16V	
495pF 2%	CAP CER 500PF 50V NPO 0805	C106	0805_	Cap_495pF_0805_50V	
10uF 10%	CAP CER 10UF 25V X5R 1210	C107, C501	1210	Cap_10uf_1210_25V	
1uf 10%	CAP CER 1UF 25V X7R 0805	C108, C211, C512	0805_	Cap_1uF_0805_25V	
10000 pF 10%	10000 pF ±10% 50V Ceramic Capacitor X7R 0603 (1608	C201, C511	0603	Cap_10000pF_0603_5 0V	
47 pF 5%	Metric) CAP CER 47PF 50V COG/NPO 0603	C203, C204	0603	Cap_47pF_0603_50V	
2.2uF 10%	CAP CER 2.2UF 25V X5R 0603	C207, C209	0603_	Cap_2.2uF_0603_25V	
20pF 5%	CAP CER 20PF 50V COG/NPO 0201	C502, C503	0201_	Cap_20pF_0201_50V	
RSX071VAM30TR	DIODE SCHOTTKY 30V 700MA TUMD2M	D100	TUMD2M	D_Schottky_30V_700 mA_TUMD2M	
ESDA13P70-1U1M	TVS DIODE 12VWM 20VC 1610	D101	1610	TVS_12V_1CH_1610	
RGB	LED RGB CLEAR 1206 SMD R/A	D206	LED_1206_RGB	LED_1206_RGB	
PMEG3030EP,115	DIODE SCHOTTKY 30V 3A SOD128	D400, D401	SOD_128	D_Schottky_30V_3A_ SOD_128	
MFU0603FF00630P100	FUSE BOARD MNT 630MA 32VDC 0603	F100	0603_	F_630mA_32V_CR_Ex cluded	
MFBM1V1608-601-R	FERRITE BEAD 600 OHM 0603 1LN	FB100	0603	FB_6000hm_0603_1.2 A	
BLM21AG601SN1D	FERRITE BEAD 600 OHM 0805 1LN	FB101, FB102, FB103	0805_	FB_6000hm_0805_60 0mA	
2508056007Y0	FERRITE BEAD 60 OHM 0805 1LN	FB200, FB500, FB600	0805_	FB_600hm_0805_300 mA	
B4B-PH-SM4-TB	CONN HEADER SMD 4POS 2MM	H300	H_Male_4x1_SMD_2.0 0mm_PH	H_Male_4x1_SMD_2.0 0mm_PH	
77311-462K05LF	CONN HEADER VERT 5POS 2.54MM	H500	H_5x1_TH_2.54mm	H_5_1_TH_2.54mm	
TSM-103-01-L-SV-TR	CONN HEADER SMD 3POS 2.54MM	H501, H601	H_3x1_SMD_2.54mm	H_3x1_SMD_2.54mm_ Header	
S4B-XH-SM4-TB	CONN HEADER SMD R/A 4POS 2.5MM	H502	H_Male_4x1_SMD_2.5 mm_XH	H_4x1_SMD_2.5mm_ Header	
TSM-102-01-L-SV-P- TR	CONN HEADER SMD 2POS 2.54MM	H600	H_2x1_SMD_2.54mm	H_2x1_SMD_2.54mm_ Header	
PWR JACK 2.1mm	CONN PWR JACK 2K5.5MM SOLDER CONN RCPT USB2.0	J100	CON_TH_2.1mm_PW R_JACK	Con_TH_2.1mm_PWR _JACK	
USB Micro B	MICRO B SMD R/A CONN FFC BOTTOM	.1200	CON_USB_MICRO_B Con_22x1_SMD_0.5m	Con_microUSB_B Con_22x1_SMD_0.5m	
FPC 22 POS	22POS 0.5MM R/A CONN RCPT 2POS	J201	m_FPC CON_1x2_SMD_2.00m	m_FPC Con_1x1_SMD_2.00m	
SMM-102-02-S-S-TR	0.079 GOLD SMD FIXED IND 10UH 1.3A	J400, J401	m_RCPT L 2SMD 5.70v5.70m	m_RCPT	
CDRH5D28NP-100NC SLF7032T-6R8M1R6-	65 MOHM SMD FIXED IND 6.8UH 1.6A	L100	m_NS L_2SMD_7.00mmx7.0	L_10uH_1.3A_NS	-
2PF WEO012864KWPP3N0	49.2MOHMSM	L101	0mm_NS	L_6.8uH_1.6A_NS	
0F00	2" 128x64 COG GRAVITY: I2C SD2405	LCD200		LCD_128x64_PIXELS	
DFR0469 2N7002-TP	RTC MODULE MOSFET N-CH 60V	MD500 Q200, Q201, Q202	SOT 23 3	Mod_RTC_SD2405 Q_NFET_60V_0.34A_S	
2N 7002-1P SI2302CDS-T1-E3	115MA SOT23 MOSFET N-CH 20V	Q200, Q201, Q202 Q400, Q401	SOT_23_3 SOT_23_3	OT_23_3 Q_NFET_20V_2.6A_S	
180K OHM 1/10W	2.6A SOT23-3 RES 180K OHM 1%	Q400, Q401 R100	0603	OT_23_3 Res_180	
32kOhm 1/10W	1/10W 0603 RES 32K OHM 1%	R101	0603	kOhm_0603_1/10W Res_32kOhm_0603_1/	
1MOHM 1/10W	1/10W 0603 RES 1M OHM 1%	R102	0603	10W Res_1MOhm_0603_1/	
27 Ohm 1/10W	1/10W 0603 RES 27 OHM 1%	R200, R201	0603	10W Res_270hm_0603_1/1	
330 Ohm 1/10W	1/10W 0603 RES 330 OHM 1%	R202, R207, R210,	0603	OW Res_330Ohm_0603_1/	
	1/10W 0603 RES SMD 10K OHM	R211, R400, R401 R203, R205, R209, R212, R213, R214, R215, R216, R217,		10W	
	0.1% 1/16W 0603	R300, R402, R403, R502, R503, R600, R601	0603	Res_10k_0603_1/16W	
900kOhm 0.66W	PEP1206 10PPM/C 900K 0.05% N TA	R204	1206	Res_900kOhm_1206_ 0.66W	
95.30hm 1/10W 4.7K Ohm 1/10W	RES 95.3 OHM 1% 1/10W 0603 RES 4.7K OHM 1%	R206, R208 R500, R501	0603 0603	Res_95.30hm_0603_1 /10W Res_4.7k0hm_0603_1	
0 Ohm 1/10W	1/10W 0603 RES 0 OHM JUMPER 1/10W 0603	R602	0603	/10W Res_00hm_0603_1/10	†
NTCG163JX103DT1S	1/10W 0603 THERMISTOR NTC 10KOHM 3380K 0603	RT300	0603_	W RT_NTC_10k_0603	t
101990644	GROVE AHT20 I2C INDUSTRIAL TEMP&	SE300		SE_Humidity_Temper ature	
434153017835	SWITCH TACTILE SPST- NO 0 05A 12V	Sw200, Sw201, Sw202, Sw500, Sw600	Sw_PUSH_2Pos_1.7m mx3.5mmx2.9mm	sture Sw_PUSH_1.7mmx3.5 mmx2.90mm	
	IC REG BUCK 3.3V 300MA SOT23-5	U100	50T_23_5	mmx2.90mm DCDC_3.3V_300mA_S OT23-5	t
TPS62203DBVR	IC REG BUCK 5V 1.5A	U101	QFN_16_3.9X3.9mm_ EP	DCDC_5V_1.5A_16QF N_4x4	
TPS62203DBVR TPS62112RSAR	16QFN		QFN_16_3.9X3.9mm_	IC FTDI FT230XO-R	
	16QFN IC USB SERIAL BASIC UART 16QFN.	U200	EP EP	IC TO TESTING IN	
TPS62112RSAR	IC USB SERIAL BASIC	U200 U201		TVS_5V_2CH_UQFN_6	
TPS62112RSAR FT230XQ-R	IC USB SERIAL BASIC UART 16QFN, TVS DIODE 5VWM		EP UQFN_6_1.45MMX1.0		
TPS62112RSAR FT230XO-R USBULC6-2M6	IC USB SERIAL BASIC UART 16QFN, TVS DIODE 5VWM 17VC 6UQFN IC MCU 32BIT 64KB	U201	EP UQFN_6_1.45MMX1.0 MM	TVS_5V_2CH_UQFN_6 IC_MCU_MFRSTM32F	

