













Bill of Materials

Bill of Materials For PCB Document [qfc_Alfa2.0.PcbDoc]

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Footprint	Comment	LibRef	Designator	Description	Quantity
PAD.04X.04	TEST	TEST	3V3_FMU, 3V3_SEN, 5V, GND, VCC		Ę
1.25-6P	GH1.25-6P	GH1.25-6P	ADC, BATT, SPI, SW	GH1.25mm 立贴 间距1.25mm 连接器贴片	4
0603-LED	APT1608SECK	LED0603-RED	ARM	2.2v, LED RED CLEAR 0603 SMD	•
MS621FE	MS621FE	BAT-MS621FE	B401	MS Lithium Rechargeable Battery	
0805-CAP	10u	CAP0805-10uF	C201, C206	Capacitor, 10uF, 10V, Y5V, 0805, Ceramic	2
0603-CAP	0u1	CAP0603-0.1uF	C202, C204, C207, C209, C303, C305, C403, C404, C405, C406, C409, C410, C411, C501, C502, C503, C504, C505	Capacitor, 0.1uF, 16V, Y5V, 0402, Ceramic	18
0603-CAP	10n	CAP0603-10nF	C203, C301, C308	Capacitor, 10nF, 50V	3
1206-CAP	100u	CAP1206-100uF	C205, C208, C210	CAP CER 100UF 10V 20% X5R 1206	3
0603-CAP	2u2	CAP0603-2.2uF	C302, C304, C306, C407, C408	Capacitor, 2.2uF, 16V, 10%, X6S, 0603, Cera	
0603-CAP	0.47uF	CAP0603-0.47uF	C307	Capacitor, 0.47uF, 16V, 10%, X6S, 0603, Ce	1
0603-CAP	8pF	CAP0603-8pF	C401, C402	CAP CER 8PF 50v c0g 0603	2
1.25-4P	GH1.25-4P	GH1.25-4P	CAN, DEBUG, GPIO, GPS, IIC, SONAR, TELEM	GH1.25mm 立贴 间距1.25mm 连接器贴片	7
SOD-123LF		DIODE-SBD_SO		DIODE SCHOTTKY 20V 1A, 0.34V, SOD123	1
SOD-123LF	MMSZ5233BT1G		D202	DIODE ZENER 6V 500MW SOD123	1
SOD-323	RB751V40T1G	DIODE-SBD_SO		DIODE SCHOTTKY 40V 30mA , 0.34V, SOD	
0603-ESD	PESD0603-140	DIODE-ESD	D501, D502, D503, D504, D505, D506, D507, D508, D601, D602, D603	TVS DIODE 14V 0603	11
0603-LED	APG1608CGKC	LED0603-GREEN		2.1v, LED GREEN CLEAR 0603 SMD	
1206-FUSE	0ZCA0035FF2G	BEEP	F201 FM301	PTC RESTTBLE 0.35A 16V CHIP 1206, 自恢 蜂鸣器	1
BEEP-12MM HDR2X1	BEEP HDR 2X1	HDR 2X1	J401	-	,
MOLEX-47346		MicroUSB	J501	排针, 2X1 pins MICRO USB B, BOTTOM MOUNT	,
JR3X8	JR 3X8	JR 3X8	J601	Header 3X8 pins	,
JR3X7	JR 3X7	JR 3X7	J602	Header 3X7 pins	
	KNH16C104DA5		L201, L501	EMI FILTER CAP 0.1UF 2A 25V 0603	2
1210 - IND	47uH	INDUCTOR-1210	·	贴片功率电感,绕线工字电感	1
	HOLE-3MM	HOLE-3MM	M101, M102, M103, M104		4
HOLE-2MM	HOLE-2MM	HOLE-2MM	M105, M106, M107, M108		4
0603-RES	10K 0.1%	RES0603-10k_0.	R201, R202, R203, R204, R508, R509, R510, R511, R512, R513, R514, R515	RES 10 OHM 1/10W 0.1% 0603	12
0603-RES	1K	RES0603-1K	R205, R407	RES 1K OHM 1/10W 5% 0603	2
0603-RES	10K	RES0603-10K	R301, R307, R401, R402, R403, R404, R405, R406, R408, R502, R504, R604	RES 10K OHM 1/10W 5% 0603	12
0603-RES	220R	RES0603-220R	R302, R303, R601, R602, R603	RES 220R OHM 1/10W 5% 0603	5
0603-RES	16K5	RES0603-16K5	R304	RES 16K5 OHM 1/10W 5% 0603	1
0603-RES	453K	RES0603-453K	R305	RES 453K OHM 1/10W 5% 0603	1
0603-RES	9K09	RES0603-9K09	R306	RES 9K09 OHM 1/10W 5% 0603	1
0603-RES	100K	RES0603-100K	R308	RES 100K OHM 1/10W 5% 0603	1
0603-RES	0R	RES0603-0R	R501	RES OR OHM 1/10W 5% 0603	1
0603-RES	22R	RES0603-22R	R503, R505 R506, R507, R516	RES 22R OHM 1/10W 5% 0603 RES 120R OHM 1/10W 5% 0603	3
0603-RES	120R 轻触开关 贴片3*6	RES0603-120R	RST	按键 3*6*2.5mm 轻触开关 贴片2脚 白色	1
SW_6*6	SWITCH	SWITCH	SAFE	6*6*4.3 微动轻触开关贴片	
0603-LED	APT1608QBC/G		STA	3.3v, LED BLUE CLEAR 0603 SMD	
R-PDSO-G5	TPS79133	LDO-TPS79133	U201	001, 225 5262 6227 11 6666 6115	1
	LM1117S-3.3	LDO-LM1117S-3		LDO, ouput 3.3V/1A, 0.04% Line Regulation	1
QFN-24	MPU-6000	MPU-6000	U301	GYRO/ACCELEROMETER 6AXIS 24QFN	1
	MS5611-01BA	MS5611-01BA	U302	Board Mount Pressure Sensors	1
SOT23-8	LT3469	LT3469	U303	IC AMP DVR W/REG 1.3MHZ TSOT23-8	1
LQFP100	STM32F427VI qfp	STM32F4X7VX	U401	REV 3 Silicon or later IC MCU ARM 2MB FLA	1
MICROSD	2908-05WB-MG	MICROSD-SDI	U402	CONN MICRO SD CARD PUSH-PUSH R/A	1
SO08	RAM-FM25V01	RAM-FM25V01	U403	IC FRAM 128KBIT 40MHZ 8SOIC	1
SOT23-8	3.3-V CAN TRAN		U501	IC TXRX CAN 1MBPS SOT23-8	1
	Dual inverter tri-st			IC INVERTER DUAL 4-INPUT 8TSSOP	1
P-LCC-6	LRTB GFTG-T7A		U602	Muti LEDs	1
SO08	TM1803	LED_DRV-TM18		3-Channel Constant-Current LED Driver	1
	TXS0108EPWR		U604, U605, U606	IC XLATR VOLT-LVL 8B BDIR 20SOP	3
3225-OSC	Crystal Oscillator	OSCILLATOR-32	X401	CRYSTAL 24MHZ 8PF SMD	144
Approved Notes				1	144