Quantity	Description	Reference	Version	Package	Manufacturer 1	Part#1	Manufacturer 2	Part#2	Distributor	Order code	Fitted or not fitted	Supplied by	ROHS Compliant	Comments
1	MCU 32 BITS 1MB FLASH 64LQFP STM32F103RGT6	U1		LQFP64_10x10	STMicroelectronics	STM32F103RGT6						ST		
1	Joystick 4 directions 1 select Wealth Metal Factory MT008-A	U2		JOYSTICK_MT-008A	Wealth Metal Factory	MT008-A								
1	I2C/NFC EEPROM M24SR64-YMN6T/2	U3		M24SR64-YMN6T/2	STMicroelectronics	M24SR64-YMN6T/2						ST		
1	3.3V Voltage regulator KF33BDT	U4		DPAK	STMicroelectronics	KF33BDT						ST		
1	BlueTooth Module BTM760	U5		BTM760	Rayson Technology	BTM760					N			
1	Audio Amplifier TS482IDT	U6		SO8N	STMicroelectronics	TS482IDT						ST		
1	LCD Screen SF-TC240T-9370A-T	U7		SF-TC240T-48P-07	Saef Technology	SF-TC240T-9370A-T								
3	CONDENSATEUR MLCC 0603 NP0 50V 2% NC	C18,C42,C43		0603							N			no double source allowed
2	CONDENSATEUR MLCC 0603 NP0 50V 5% NC	C9, C10		0603							N			
2	CONDENSATEUR MLCC 0603 NP0 50V 5% 20pF	C1, C4		0603					Farnell	1844172				
2	CONDENSATEUR MLCC 0603 NP0 50V 2% 47pF	C40,C41		0603	Murata	GRM1885C1H470GA01								no double source allowed
1	CONDENSATEUR MLCC 0603 NP0 50V 5% 100pF	C21		0603					Farnell	499122				
1	CONDENSATEUR MLCC 0603 NP0 50V 5% 4,7nF	C22		0603					Farnell	1833869				
19	CONDENSATEUR MLCC 0603 NP0 50V 5% 100nF	C2, C3, C5, C6, C7, C8, C11, C12, C13, C14, C15, C17, C20, C23, C25, C27, C28, C35, C3		0603					Farnell	1740621				
2	293D TANTAL SMD POL CAP 1uF 16V 10% Boitier A 1µF	C19, C39		293D-A					Farnell	1754174				
6	293D TANTAL SMD POL CAP 2,2uF 35V 10% Boitier C 2,2uF	C24, C29, C30, C33, C34, C37		293D-C					Farnell	1754228				
1	293D TANTAL SMD POL CAP 4,7uF 16V 10% Boitier A 4.7µF	C36		293D-A					Farnell	1754174				
2	293D TANTAL SMD POL CAP 10uF 35V 10% boitier D 10µF	C16, C26		293D-D					Farnell	2112949				
2	293D TANTAL SMD POL CAP 220uF 6.3V 10% Boitier C 220µF	C31, C32		293D-C					Farnell	2353060				
13	Resistance CMS 0603 0,1W 5% 0	R14, R15, R31, R32, R37, R47, R48, R52, R71, R72, R73, R74, R7		0603										
3	Resistance CMS 0603 0,1W 5% 10	R1, R19, R21		0603										
1	Resistance CMS 0603 0,1W 5% 180	R9		0603										
1	Resistance CMS 0603 0,1W 5% 560	R11		0603										
2	Resistance CMS 0603 0,1W 5% 1k	R8, R10		0603										
1	Resistance CMS 0603 0,1W 5% 1.5k	R26		0603										
1	Resistance CMS 0603 0,1W 5% 2.2k	R51		0603										
8	Resistance CMS 0603 0,1W 5% 3.9k	R49, R53, R55, R57, R58, R59, R60, R6		0603										
11	Resistance CMS 0603 0,1W 5% 4K7	R16,R17,R62, R63, R64, R65, R66, R68, R69, R75, R7		0603										
20	Resistance CMS 0603 0,1W 5% 10k	R3, R4, R5, R6, R7, R12, R13, R22, R27, R28, R29, R30, R33, R34, R35, R36, R41, R44, R50, R5		0603										
1	Resistance CMS 0603 0,1W 5% 20k	R18		0603										
1	Resistance CMS 0603 0,1W 5% 30k	R20		0603										
1	Resistance CMS 0603 0,1W 5% 36k	R25		0603										
1	Resistance CMS 0603 0,1W 5% 47k	R23		0603										
2	Resistance CMS 0603 0,1W 5% 100k	R80, R81		0603										
2	Resistance CMS 0603 0,1W 5% 1M	R2, R24		0603										
5	Resistance CMS 0603 0,1W 5% NC	R38, R67, R70, R76, R77		0603							N			
1	FERRITE BEAD, 0.38OHM, 500MA, 0603 BLM18AG601SN1D	L2		0603	MURATA	BLM18AG601SN1D			Farnell	1515679				no double source allowed
1	FERRITE CMS 300OHM. 0603 742792641	L3		0603	WURTH ELEKTRONIK	742792641			Farnell	1635705				no double source allowed
5	FERRITE CMS 600OHM. 0805 742792042	L1, L4, L5, L6, L7		0805	WURTH ELEKTRONIK	742792042			Farnell	1635716				no double source allowed
1	NOISE SUPPRESSOR CMS 2.2KOHM. 0.4A 744232222	FL2		744232xxx	WURTH ELEKTRONIK	744232222			Farnell	1636481				no double source allowed
1	NOISE SUPPRESSOR CMS 90OHM. 370MA 744232090	FL1		744232xxx	WURTH ELEKTRONIK	744232090			Farnell	1636474				no double source allowed
2	BC817-16 - TRANSISTOR NPN 0.5A 45V SOT23 BC817	Q1, Q2		SOT23	MULTICOMP	BC817-16			Farnell	1798077				
1	LED, 1206, BLUE Blue Led	LED3		LED-1206	DIALIGHT	5988291107F			Farnell	2113953				
1	LED, 1206, GREEN Green Led	LED2		LED-1206	DIALIGHT	5988270107F			Farnell	1466000				
2	LED, 1206, RED Red Led	LED1, LED5		LED-1206	DIALIGHT	5988210107F			Farnell	1465997				
1	LED, 1206, YELLOW Yellow Led	LED4		LED-1206	DIALIGHT	5988240107F			Farnell	1465998				
1	SMD CRYSTAL OSCILLATOR,8M,20PF,20ppm 8MHz	Y1		HC49SD	FOX ELECTRONICS	FOXSDLF/080-20			Farnell	2063972				
2	Connector 1PT	ST2, ST3		CON_1PTS	FCI	77311-401-36LF			Farnell	1097954	N			
1	Connector 3PTS	ST1		CON_3PTS_P2.54	FCI	77311-401-36LF			Farnell	1097954	N			
1	HEADER, RIGHT ANGLE, 20WAY	J2		HE10_20PTS_M_COUDE	MULTICOMP	MC9A22-2034			Farnell	1099248				
1	Micro USB Type AB Connector	J1		USB-MICRO-AB	MOLEX	47590-0001								
1	Push Button SW_BP_ST	SW1		FSM4JSMA	ALCOSWITCH	FSM4JSMA	Qiaodi	TC-03XG-6.0	Farnell	3801305				
1	Jack 3.5 PJ3028B-3	CN1		PJ-3028B	Qiaod	PJ3028B-3					N			
1	PCB 130mm x 60mm x1.6mm (dual side, components on both sides, Blue Color)													
5	Bumpon protective product				HAMMOND	1421TSCL			Farnell	1876520				must be higher than SMD Crystal Y1
1	Blue Joystick button hat for U2													
1	Test production													
1	Blister (Standard Edition)													
1	Insert Card (Standard Edition)													
1	Final assembly (board+insert Card+Blister)													