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	ST95HFVMD5 ST95HF	U1		VFQFPN32_5x5	STMicroelectronics	ST95HF VMD5T						ST		
1	MCU 32 BITS 1MB FLASH 64LQFP STM32F103RGT6	U2		LQFP64_10x10	STMicroelectronics	STM32F103RGT6						ST		
1	3.3V Voltage regulator KF33BDT	U3		DPAK	STMicroelectronics	KF33BDT						ST		
1	Joystick 4 directions 1 select Wealth Metal Factory MT008-A	U4		JOYSTICK_MT-008A	Wealth Metal Factory	MT008-A								
1	LCD Screen FRD24048	U5		SF-TC240T-48P-07	FRDA LCD	FRD24048								
2	293D TANTAL SMD POL CAP 1uF 16V 10% Boitier A 1µF	C11, C17		293D-A					Farnell	1754174				
1	293D TANTAL SMD POL CAP 2,2uF 35V 10% Boitier C 2,2uF	C30		293D-C					Farnell	1754228				
1	293D TANTAL SMD POL CAP 4,7uF 16V 10% Boitier A 4.7µF	C33		293D-A					Farnell	1754174				
1	293D TANTAL SMD POL CAP 10uF 35V 10% boitier D 10uF	C19		293D-D					Farnell	2112949				
6	CONDENSATEUR MLCC 0603 NP0 50V 2% NC	C37, C38, C40, C41, Cb, Cc		0603							N			
2	CONDENSATEUR MLCC 0603 NP0 50V 2% 47pF	C22, C25		0603	Murata	GRM1885C1H470GA01								no double source allowed
4	CONDENSATEUR MLCC 0603 NP0 50V 2% 100pF	C23, C24, C35, C36		0603	Murata	GRM1885C1H101GA01								no double source allowed
1	CONDENSATEUR MLCC 0603 NP0 50V 2% 82pF	Ca		0603	Murata	GRM1885C1H820GA01								no double source allowed
2	CONDENSATEUR MLCC 0603 NP0 50V 5% 10pF	C27, C28		0603					Farnell	1759053				
2	CONDENSATEUR MLCC 0603 NP0 50V 5% 20pF	C1, C4		0603					Farnell	1844172				
1	CONDENSATEUR MLCC 0603 NP0 50V 5% 1nF	C21		0603					Farnell	1759089				
1	CONDENSATEUR MLCC 0603 NP0 50V 5% 4,7nF	C26		0603					Farnell	1833869				
2	CONDENSATEUR MLCC 0603 NP0 50V 5% 10nF	C16, C18		0603					Farnell	1833871				
18	CONDENSATEUR MLCC 0603 NP0 50V 5% 100nF	C2, C3, C5, C6, C7, C8, C9, C10, C12, C13, C14, C15, C20, C29, C31, C32,C34, C39		0603					Farnell	1740621				
1	NOISE SUPPRESSOR CMS 90OHM. 370MA 744232090	FL1		744232xxx	WURTH ELEKTRONIK	744232090			Farnell	1636474				no double source allowed
1	NOISE SUPPRESSOR CMS 90OHM. 0.37A DLW31SN900SQ2	FL2		744232xxx	Murata	DLW31SN900SQ2			Radiospares	724-1687				no double source allowed
1	FILTER, SUPPRESSION, 0603, 1UF, 6.3VDC NFM18PS105R0J3D	FL3		NFM18PS	Murata	NFM18PS105R0J3D			Farnell	1686506				no double source allowed
5	FERRITE CMS 600OHM. 0805 742792042	L1, L2, L3, L8, L9		0805	WURTH ELEKTRONIK	742792042			Farnell	1635716				no double source allowed
1	FERRITE CMS 2200OHM. 0805 742792093	L10		0805	WURTH ELEKTRONIK	742792093			Farnell	1635726				no double source allowed
1	FERRITE BEAD, 0.38OHM, 500MA, 0603 BLM18AG601SN1D	L4		0603	Murata	BLM18AG601SN1D			Farnell	1515679				no double source allowed
1	FERRITE CMS 300OHM. 0603 742792641	L7		0603	WURTH ELEKTRONIK	742792641			Farnell	1635705				no double source allowed
2	Inductor SMD 0805, LQM21NNR56K10D 560nH	L5, L6		0805	Murata	LQM21NNR56K10D			Radiospare	786-7087				no double source allowed
12	Resistance CMS 0603 0,1W 5% NC	R12, R16, R29, R30, R53, R56, R58, R59, R65, R67, R69, **Rq**		0603							N			
16	Resistance CMS 0603 0,1W 5% 0	R13, R15, R31, R32, R37, R38, R47, R61, R62, R63, R64,R66, R68, R70, R72, R73		0603										
3	Resistance CMS 0603 0,1W 5% 10	R3, R20, R21		0603										
1	Resistance CMS 0603 0,1W 5% 180	R46		0603										
2	Resistance CMS 0603 0,1W 5% 330	Z-RX1, Z-RX2		0603										
1	Resistance CMS 0603 0,1W 5% 560	R43		0603										
3	Resistance CMS 0603 0,1W 5% 1k	R2, R44, R45		0603										
1	Resistance CMS 0603 0,1W 5% 1.5k	R28		0603										
5	Resistance CMS 0603 0,1W 5% 3.3k	R17, R18, R19, R23, R24		0603										
10	Resistance CMS 0603 0,1W 5% 4.7k	R1, R48, R49, R50, R51, R52, R54, R55, R57, R6(		0603										
17	Resistance CMS 0603 0,1W 5% 10k	R5, R6, R7, R8, R9, R10, R11, R22, R33, R34, R35, R36, R39, R40, R41, R42R71		0603										
1	Resistance CMS 0603 0,1W 5% 36k	R27		0603										
1	Resistance CMS 0603 0,1W 5% 47k	R25		0603										
2	Resistance CMS 0603 0,1W 5% 1M	R4, R26		0603										
1	Mini USB 5075BMR-05-SM	J2		5075BMR-05-SM	Neltron Industrial	5075BMR-05-SM								
1	HEADER, RIGHT ANGLE, 20WAY	J3		HE10_20PTS_M_COUDE	MULTICOMP	MC9A22-2034			Farnell	1099248				
2	Connector 1PT, NC	ST1, ST3		CON_1PTS	FCI	77311-401-36LF			Farnell	1097954	N			
1	Connector 3PTS 2,54, NC	ST2		CON_3PTS_P2.54	FCI	77311-401-36LF			Farnell	1097954	N			
2	Push Button SW_BP_ST	SW1, SW2		FSM4JSMA	ALCOSWITCH	FSM4JSMA			Farnell	3801305				
1	LED, 1206, RED, 80MCD, 635NM Red Led	LED1		LED-1206	DIALIGHT	598-8210107F			Farnell	1850747				
1	LED, 1206,YELLOW, 130MCD, 593NM YELLOW Led	LED2		LED-1206	DIALIGHT	5988240107F			Farnell	1465998				
1	LED, 1206, BLUE, 140MCD BLUE Led	LED3		LED-1206	DIALIGHT	5988291107F			Farnell	1850752				
1	LED, 1206, ORANGE, 110MCD, 610NM ORANGE Led	LED4		LED-1206	DIALIGHT	5988230107F			Farnell	1872396				
1	LED, 1206, GREEN, 20MCD, 570NM GREEN Led	LED5		LED-1206	DIALIGHT	5988270107F			Farnell	1466000				
2	BC817-16 - TRANSISTOR NPN 0.5A 45V SOT23 BC817	Q1, Q2		SOT23	MULTICOMP	BC817-16			Farnell	1798077				
1	SMD CRYSTAL OSCILLATOR,8M,20PF,20ppm 8MHz	Y1		HC49SD	FOX ELECTRONICS	FOXSDLF/080-20			Farnell	2063972				no double source allowed
1	NX2016SA 27.12MHz EXS00A-CS01188 27.12MHz	Y2		NX2016	NDK	NX2016SA 27.12MHz EXS00A-CS01188						ST		no double source allowed
1	NFC Antenna	ant1		ANT_90DEG							N			
6	PCB MIRE	MIRE1, MIRE2, MIRE3, MIRE4, MIRE5, MIRE6		MIRE							N			
1	PCB 150mmx60mmx1.6mm (FR4, dual side, components on both sides, green color)		B											
5	Bumpon protective product			3M	SJ5306									
1	Five_way switch button hat, PB-504/PB-MT008A (Cyan), along, AKG004, for U4													