

Quantity	Description	Reference	Version	Package	Manufacturer 1	Part#1	Manufacturer 2	Part#2	Distributor	Order code	Fits	Supplied by	RoHS Compliant	Comments
1	ST95HFVMD5 ST95HF	U1		VQFPN32_5x5	STMicroelectronics	ST95HF_VMD5T						ST		
1	MCU 32 BITS_1MB FLASH 64LQFP_STM32F103RGTE	U2		LQFP64_10x10	STMicroelectronics	STM32F103RGTE						ST		
1	3.3V Voltage regulator KF318D7	U3		OPAK	STMicroelectronics	KF318D7						ST		
1	Joystick & directions 1 select Wealth Metal Factory MT00B-A	U4		JOYSTICK_MT-00BA	Wealth Metal Factory	MT00B-A								
1	LCD Screen FRD24048	U5		SF-TYCA07-48P-07	FRDA LCD	FRD24048								
2	2930 TANTAL SMD POL CAP 1uF 16V 10% Boller A 1uF	C11, C17		2930-D					Farnell	1754174				
1	2930 TANTAL SMD POL CAP 2.2uF 35V 10% Boller C 2.2uF	C30		2930-C					Farnell	1754228				
1	2930 TANTAL SMD POL CAP 4.7uF 16V 10% Boller A 4.7uF	C33		2930-A					Farnell	1754174				
1	2930 TANTAL SMD POL CAP 10uF 35V 10% Boller D 10uF	C19		2930-D					Farnell	2112949				
6	CONDENSATEUR MLCC 0603 NPO 50V 2% NC	C37, C38, C40, C41, Cb, Cc		0603							N			
2	CONDENSATEUR MLCC 0603 NPO 50V 2% 47nF	C22, C25		0603	Murata	GRM188SC1H470G0A1								no double source allowed
4	CONDENSATEUR MLCC 0603 NPO 50V 2% 100pF	C23, C24, C35, C36		0603	Murata	GRM188SC1H101GA01								no double source allowed
1	CONDENSATEUR MLCC 0603 NPO 50V 2% 82pF	Ca		0603	Murata	GRM188SC1H820GA01								no double source allowed
2	CONDENSATEUR MLCC 0603 NPO 50V 5% 10pF	C27, C28		0603					Farnell	1755053				
2	CONDENSATEUR MLCC 0603 NPO 50V 5% 20pF	C1, C14		0603					Farnell	1844172				
1	CONDENSATEUR MLCC 0603 NPO 50V 5% 1nF	C21		0603					Farnell	1755089				
1	CONDENSATEUR MLCC 0603 NPO 50V 5% 4.7nF	C26		0603					Farnell	1831869				
2	CONDENSATEUR MLCC 0603 NPO 50V 5% 10nF	C16, C18		0603					Farnell	1831871				
18	CONDENSATEUR MLCC 0603 NPO 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 900HM, 370MA 7442J2090	FL1		7442J2xxx	WURTH ELEKTRONIK	7442J2090			Farnell	1636474				no double source allowed
1	NOISE SUPPRESSOR CMS 900HM, 0.37A DLW31SNR00SQ2	FL2		7442J2xxx	Murata	DLW31SNR00SQ2			Radiospares	724-1687				no double source allowed
1	FILTER, SUPPRESSOR, 0603, 1UF, 6.3VDC NFM18PS10SR03D	FL3		NFM18PS	Murata	NFM18PS10SR03D			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			Radiospares	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, R71		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, R60		0603										
17	Resistance CMS 0603 0.1W 5% 10k	R5, R6, R7, R8, R9, R10, R11, R22, R33, R34, R35, R36, R39, R40, R41, R42, R71		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-05-5M	J2		5075BMR-05-5M	Neitron Industrial	5075BMR-05-5M								
1	HEADER, RIGHT ANGLE, 20WAY	J3		HE10 20PTS M COM	MULTICOMP	MC9A22-2034			Farnell	1099248				
2	Connector 1PT, NC	ST1, ST3		CON_1PTS	FCI	77311-401-361F			Farnell	1097954	N			
1	Connector 3PTS 2.54, NC	ST2		CON_3PTS_P2.54	FCI	77311-401-361F			Farnell	1097954	N			
2	Push Button SW_BP_ST	SW1, SW2		FSM463MA	ALCOSWITCH	FSM463MA			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	1871236				
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		HC495D	FOX ELECTRONICS	FOX5DLF/080-20			Farnell	2063972				no double source allowed
1	NX2016SA 27.12MHz EXSD0A-C301188 27.12MHz	Y2		NX2016	NDK	NX2016SA 27.12MHz EXSD0A-CS					ST			no double source allowed
1	NFC Antenna	ant1		ANT_80DEG							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)		8	3M	SFS306									
5	Bumpen protective product													
1	Five_way switch button hat, PB-504/PB-MT008A (Cyan), along_AKG004, for U4													
1	Test (duration : 1.30mn)													
1	fitting Eval-ST95HF													

