

MB1132-802
BOM release 802

10/14/2013

Quantity	Description	Reference	Package	Manufacturer 1	Part#1	Distributor	Order code	Fitted or not
1	RX58HFWD5. RX58HF	U1	VQFPN32_5x5	STMicroelectronics	RX 95HF Y MD 5 T			
1	MCU 32 BITS 768K6 FLASH 640FP STM32F103RFT6	U2	LOP64_10x10	STMicroelectronics	STM32F103RFT6			
1	3.3V Voltage regulator KF380T	U3	DP4K	STMicroelectronics	KF380T			
1	JoyStick 4 directions 1 select Wealth Metal Factory MT008-A	U4	JOYSTICK_MT-008A	Wealth Metal Factory	MT008-A			
1	293D TANTAL SMD POL CAP 1uF 16V 10% Boilier A 1uF	C11	293D-A			Farnell	1754174	
1	293D TANTAL SMD POL CAP 2.2uF 35V 10% Boilier C 2.2uF	C30	293D-C			Farnell	1754228	N
1	293D TANTAL SMD POL CAP 4.7uF 16V 10% Boilier A NC	C17	293D-A					
1	293D TANTAL SMD POL CAP 10uF 35V 10% Boilier D 10uF	C19	293D-D			Farnell	2112949	
2	CONDENSATEUR MLCC 0603 NPO 50V 5% 10pF	C27, C38	0603			Farnell	1759053	
2	CONDENSATEUR MLCC 0603 NPO 50V 5% 20pF	C1, C4	0603			Farnell	1844172	
1	CONDENSATEUR Murata MLCC 0603 NPO 50V 2% 56pF	Cb	0603	Murata	GRM1885C1H560GA01#			
1	CONDENSATEUR Murata MLCC 0603 NPO 50V 2% 220pF	Ca	0603	Murata	GRM1885C1H221GA01#			
1	CONDENSATEUR MLCC 0603 NPO 50V 5% 1nF	C21	0603			Farnell	1759089	
1	CONDENSATEUR MLCC 0603 NPO 50V 5% 4.7nF	C26	0603			Farnell	1833869	
1	CONDENSATEUR MLCC 0603 NPO 50V 5% 10nF	C16	0603			Farnell	1833871	
15	CONDENSATEUR MLCC 0603 NPO 50V 5% 100nF	C2, C3, C5, C6, C7, C8, C9, C10, C12, C13, C14, C15, C20, C29, C31	0603			Farnell	1740621	N
5	CONDENSATEUR MLCC 0603 NPO 50V 5% NC	C18, C22, C23, C24, C25	0603					
1	NOISE SUPPRESSOR CMS 900HM 370MA 744232090	FL1	744232xxx	WURTH ELEKTRONIK	744232090	Farnell	1636474	
1	NOISE SUPPRESSOR CMS 2.2KOHM 0.4A 744232222	FL2	744232xxx	WURTH ELEKTRONIK	744232222	Farnell	1636481	
4	FERRITE CMS 600OHM 0805 742792042	L1, L2, L8, L9	0805	WURTH ELEKTRONIK	742792042	Farnell	1635716	
3	FERRITE CMS 600OHM 0805 NC	L3, L5, L6	0805	WURTH ELEKTRONIK	742792042	Farnell	1635716	N
1	FERRITE BEAD 0.38OHM 500MA 0603 BLM18AG601SN1D	L4	0603	MURATA	BLM18AG601SN1D	Farnell	1515679	
1	FERRITE CMS 300OHM 0603 742792641	L7	0603	WURTH ELEKTRONIK	742792641	Farnell	1635705	
5	Resistance CMS 0603 0.1W 5% NC	R12, R14, R16, R29, R30	0603					N
8	Resistance CMS 0603 0.1W 5% 0	R13, R15, R31, R32, R37, R38, RRX1, RRX2	0603					
3	Resistance CMS 0603 0.1W 5% 10	R3, R20, R21	0603					
1	Resistance CMS 0603 0.1W 5% 1k	R2	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					
2	Resistance CMS 0603 0.1W 5% 4.7k	R1, Rq	0603					
16	Resistance CMS 0603 0.1W 5% 10k	R5, R6, R7, R8, R9, R10, R11, R22, R33, R34, R35, R36, R39, R40, R41, R42	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					
2	THROUGH-HOLE .025" SQ PDS1 SOCK Connectors for MB895	J1-1, J1-2	SSW-104-01-L-D	Samtec	SSW-104-01-L-D			
1	Mini USB 5075BMR-05-SM	J2	5075BMR-05-SM	Neutron Industrial	5075BMR-05-SM			
1	HEADER, RIGHT ANGLE, 20WAY	J3	HE10_20PTS M COUDE	MULTICOMP	MC9422-2034	Farnell	1099248	
1	Connector 2PTS	ST1	CON 2PTS P2.54	PCI	77311-401-36LF	Farnell	1097954	
1	Connector 3PTS	ST2	CON 3PTS P2.54	PCI	77311-401-36LF	Farnell	1097954	
1	Push Button SW BP ST	SW1	FSMAISMA	ALCOSWITCH	FSM4ISMA	Farnell	3801305	
1	LED 1206 RED 80MCD 635NM Red led	LED1	LED-1206	DIALIGHT	598-8210107F	Farnell	1850747	
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	2063772	
1	NX2016SA 27.12MHz EXS00A-CS01188 27.12MHz	Y2	NX2016	NDK	NX2016SA 27.12MHz EXS00A-CS01188			
1	NFC Antenna	ant1	ANT 90DEG					
3	PCB MIRE	MIRE1, MIRE2, MIRE3	MIRE					N
1	MIRE for MB895 placement	MIRE4	LCD outline fix					N
1	PCB 140*60							
1	MB895 board (LCD screen)							
5	Bump on protective product			3M	515306			
1	Five way switch button hat PB-504/PB-MT008A (Cyan), along AKG004 for U4							
1	pushbutton hat blue along AKG002 for SW1							
2	SPACER/STANDOFF HEX NYLON 6MM X 12MM			RAF ELECTRONIC HARDWARE	M1309-3005-N	Farnell	1874926	
2	SCREW CHEESE NYLON M3X6			DURA TOOL	119030006	Farnell	7070585	