

		1250XL Remix BOM					
Sourced	Installed	Qty	Name/Value	Description	Vendors	Part Numbers	Part Ref
		1	1250XL PCB	1450XL PCB in 1200XL pcb		1250XL	
		1	PBI Riser PCB	PBI Riser pcb	Dropcheck	1250XL PBI Riser	In Gerber Folder
		1	Case	1200XL Atari Computer Case	Atari		
		1		1200XL Keyboard	Atari		
		or					
		1		1200 Decent	ScreamingAtTheRadio	Decent 1200	
		1	Power Supply	Wall Adapter/Transformer	Amazon	12V DC 2A Power Supply	PS
		Resistors					
		4	0	RES 0 OHM JUMPER 1/4W AXIAL	Digikey	0.0QBK-ND	W1-W4 (*W1 only used for PAL without PalBurst)
		3	56	RES 56 OHM 5% 1/4W AXIAL	Digikey	S56QCT-ND	R62, R70, R71
		3	75	RES 75 OHM 5% 1/4W AXIAL	Digikey	CF14JT75R0CT-ND	R25, R27, R34
		2	100	RES 100 OHM 5% 1/4W AXIAL	Digikey	CF14JT100RCT-ND	R14,R37
		1	220	RES 220 OHM 5% 1/4W AXIAL	Digikey	CF14JT220RCT-ND	R103
		1	240	RES 240 OHM 5% 1/4W AXIAL	Digikey	CF14JT240RCT-ND	R39
		2	330	RES 330 OHM 5% 1/4W AXIAL	Digikey	CF14JT330RCT-ND	R101 R102
		1	374	RES 374 OHM 5% 1/4W AXIAL	Digikey	374XBK-ND	R90
		2	390	RES 390 OHM 5% 1/4W AXIAL	Digikey	CF14JT390RCT-ND	R26, R82
		3	470	RES 470 OHM 5% 1/4W AXIAL	Digikey	CF14JT470RCT-ND	R61, R72, R74
		1	620	RES 620 OHM 5% 1/4W AXIAL	Digikey	CF14JT620RCT-ND	R5
		1	750	RES 750 OHM 5% 1/4W AXIAL	Digikey	CF14JT750RCT-ND	R23
		9	1 K	RES 1K OHM 5% 1/4W AXIAL	Digikey	CF14JT1K00CT-ND	R28, R29, R31, R40, R46, R47, R48, R51, R81
		1	1.6 K	RES 1.6K OHM 5% 1/4W AXIAL	Digikey	CF14JT1K60CT-ND	R16
		4	1.8 K	RES 1.8K OHM 5% 1/4W AXIAL	Digikey	CF14JT1K80CT-ND	R52, R53, R54, R55
		2	2 K	RES 2K OHM 5% 1/4W AXIAL	Digikey	CF14JT2K00CT-ND	R24, R95
		6	2.2 K	RES 2.2K OHM 5% 1/4W AXIAL	Digikey	CF14JT2K20CT-ND	R13, R35, R38, R76, R85, R86
		1	2.7 K	RES 2.7K OHM 5% 1/4W AXIAL	Digikey	CF14JT2K70CT-ND	R63
		13	3 K	RES 3K OHM 5% 1/4W AXIAL	Digikey	CF14JT3K00CT-ND	R1, R2, R4, R11, R12, R15, R43, R44, R45, R56, R57, R60, R87
		4	3.3 K	RES 3.3K OHM 5% 1/4W AXIAL	Digikey	CF14JT3K30CT-ND	R10, R20, R32, R42
		20	4.7 K	RES 4.7K OHM 5% 1/4W AXIAL	Digikey	CF14JT4K70CT-ND	R3, R6, R19, R36, R41, R49, R50, R59, R64, R66, R68, R75, R77, R79, R80, R83, R97, R98, R99, R100
		1	5.1 K	RES 5.1K OHM 5% 1/4W AXIAL	Digikey	CF14JT5K10CT-ND	R84
		1	6.2 K	RES 6.2K OHM 5% 1/4W AXIAL	Digikey	CF14JT6K20CT-ND	R30
		1	7.5 K	RES 7.5K OHM 5% 1/4W AXIAL	Digikey	CF14JT7K50CT-ND	R78
		1	9.1 K	RES 9.1K OHM 5% 1/4W AXIAL	Digikey	CF14JT9K10CT-ND	R21
		3	10 K	RES 10K OHM 5% 1/4W AXIAL	Digikey	CF14JT10K0CT-ND	R9, R33, R73
		1	18 K	RES 18K OHM 5% 1/4W AXIAL	Digikey	CF14JT18K0CT-ND	R18
		4	22 K	RES 22K OHM 5% 1/4W AXIAL	Digikey	CF14Jt22K0CT-ND	R7, R92, R93, R94
		1	36 K	RES 36K OHM 5% 1/4W AXIAL	Digikey	CF14JT36K0CT-ND	R17
		5	56 K	RES 56K OHM 5% 1/4W AXIAL	Digikey	CF14JT56K0CT-ND	R8, R58, R65, R67, R69
		1	68K	RES 68K OHM 5% 1/4W AXIAL	Digikey	CF14JT68K0CT-ND	R96
		1	75K	RES 75K OHM 5% 1/4W AXIAL	Digikey	CF14JT75K0CT-ND	R22
		2	100 K	RES 100K OHM 5% 1/4W AXIAL	Digikey	CF14JT100KCT-ND	R89, R91
		1	470 K	RES 470K OHM 5% 1/4W AXIAL	Digikey	CF14JT470KCT-ND	R88
		1	500K	Color Adj Pot	Mouser	652-3306F-1-504	VR1
		Resistor Networks					
		1	1K	RES ARRAY 5 RES 1K OHM 6SIP	Digikey	4606X-1-102LF-ND	RP1
		1	4.7 K	RES ARRAY 8 RES 4.7K OHM 9SIP	Digikey	4609X-101-472LF-ND	RP3
		1	10 K	RES ARRAY 8 RES 10K OHM 9SIP	Digikey	4609X-101-103LF-ND	RP2
		Inductors/Beads					
		4		WE-WAFB FERRITE BEAD AXIAL	Atari-C014384/Digikey	732-7427605CT-ND	L1, L2, L3, L4
		1	6.8 uH	SBC2-6R8-242	Digikey	399-18904-ND	L5

Sourced	Installed	Qty	Name/Value	Description	Vendors	Part Numbers	Part Ref
		Capacitors					
		1	3.9 pF	⌘ CAP CER 3.9PF 200V C0G/NP0 RAD	Digikey	399-C315C399D2G5TA-ND	C11
		2	100 pF 25V	CAP CER 100PF 50V C0G/NP0 AXIAL	Digikey	399-C410C101K5G5TA-ND	C7,C12
		2	150 pF	CAP CER 150PF 50V C0G/NP0 AXIAL	Digikey	399-C410C151J5G5TA-ND	C1,C9
		1	200 pF 25V	CAP CER 200PF 100V C0G/NP0 AXIAL	Digikey	399-C410C201J1G5TA-ND	C68
		31	.001 uF	⌘ CAP CER 1000PF 50V X7R AXIAL	Digikey	399-15258-1-ND	C10, C26, C29, C30, C31, C32, C33, C34, C35, C36, C39, C40, C41, C45, C47, C48, C49, C50, C51, C52, C53, C54, C55, C57, C60, C63, C65, C66, C88, C89, C90
		3	.01 uF	CAP CER 10000PF 50V X7R AXIAL	Digikey	399-15261-1-ND	C56, C62, C64
		4	.047 uF	⌘AP CER 0.047UF 50V X7R AXIAL	Digikey	399-4476-1-ND	C27, C28, C37, C38
		48	,1 uF	CAP CER 0.1UF 50V Z5U AXIAL	Digikey	399-4484-1-ND	C2, C3, C4, C6, C8, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C42, C43, C44, C46, C58, C59, C61, C67, C69, C70, C71, C72, C74, C75, C76, C77, C78, C79, C84, C85, C86, C87, C92, C93, C94, C95, C96, C97, C98, C99, C100
		Electrolytic					
		1	1 uF 50V	CAP ALUM 1UF 20% 50V RADIAL	Mouser	80-ESK105M050AC3AA	C91
		2	10 uF 25V	CAP ALUM 10UF 20% 25V RADIAL	Mouser	667-ECE-A1EKA100I	C25, C73
		1	47 uF 10V	CAP ALUM 47 uF 20% 10V Radial	Mouser	667-ECE-A1AKA470I	C5
		2	220 uF 6.3V	CAP ALUM 220 uF 20% 6.3V Radial	Mouser	667-ECE-A0JKA221	C81,C82
		1	330 uF 25V	CAP ALUM 330 uF 20% 25V Radial	Mouser	80-ESK337M016AE3AA	C80
		1	1000 uF 6.3V	CAP ALUM 1000 uF 20% 6.3V Radial	Mouser	80-ESW108M6R3AH1AA	C83
		Timing Devices					
		1	3.579545 MHz	NTSC System Clock	Digikey	X1086-ND	Y1
		or					
		1	3.546894 MHz	PAL System Clock	Ebay		Y1
		1	CI-192-028-SR	Insulator Crystal 2 Hole Clear(optional)	Digikey	492-1039-ND	Y1
		Diodes					
		4	1N4148	Diodes - General Purpose, Power, Switching	Mouser	512-1N4148	CR2, CR3, CR4, CR5
		1	SB240-E3/54	Diodes - Schottky 40V 2A	Digikey	SB240-E3/54GICT-ND	CR7
		1	1N5239B 9.1V Zener	Zener Diodes 9.1V 0.5W Zener	Mouser	512-1N5239B	CR1
		1	TPSM84205	Power Management TO-220	Mouser	TPSM84205EAB	CR6
		Transistors					
		1	MPSA55	Bipolar Transistors - BJT PNP Med Power	Mouser	610-MPSA55	Q5
		2	2N3906	BJT PNP Transistor General Purpose	Mouser	512-2N3906BU	Q9, Q10
		6	2N3904	BJT NPN Transistor General Purpose	Mouser	512-2N3904BU	Q1, Q2, Q3, Q4, Q6, Q7
		1	PN2222A	BJT NPN Transistor General Purpose	Mouser	512-PN2222ABU	Q8
		Integrated Chips					
		Atari Custom Chips (Usually salvaged from existing Atari 8bit Computers)					
		1	6502C(Sally)	CPU	Atari	C014806	U16
		1	6520 PIA(68B21)	Periferal Interface Adapter	Atari	C014795(C014812)	U2
		1	Pokey	Pokey	Atari	C012294	U3
		1	Antic ('E')-NTSC		Atari	C012296(C021697)	U17
		or					
		1	Antic -PAL	ANTIC	Atari	CO21698	U17
		1	GTIA-NTSC	GTIA	Atari	C014805	U26
		or					
		1	GTIA-PAL	GTIA	Atari	C014889	U26
		1	OS ROM (16kx8)	Operating System ROM	Atari	C061598	U4
		1	Basic (8kx8,ver 'B')	BASIC Language	Atari	C060302	U5

Sourced	Installed	Qty	Name/Value	Description	Vendors	Part Numbers	Part Ref
		Others					
		1	Handler ROM BIOS	(4kx8) PROM 2732A	Atari-C061920/EBAY		U6
		1	PALB1201	PAL16L8	Atari-C061918/		U7
		or					
		1	GAL16V8	PAL B programmed with GAL .jed	Ebay		U7
		or					
		1	Atmel ATF16V8B	PAL B programmed with ATF .jed	Mouser	ATF16V8B-15PU	U7
		1	PALC1201(PAL16R4)	PAL C programmed	Atari-C061917/		U11
		or					
		1	GAL16V8	PAL C programmed with GAL .jed	Ebay		U11
		or					
		1	Atmel ATF16V8B	PAL C programmed with ATF.jed	Mouser	ATF16V8B-15PU	U11
		1	PALA1201(PAL16L8)		Atari-C061919/		U12
		or					
		1	GAL16V8	PAL A programmed with GAL .jed			U12
		or					
		1	Atmel ATF16V8B	Pal A programmed with ATF .jed	Mouser	ATF16V8B-15PU	U12
		1	Votrax SC-01	SC-01 Speech Chip Replacement/Emulator	The Geek Pub	SC-01 Speech Chip	U28
		or					
		1	SC-01 Emulator	Speech Chip Emulator	The Virtual Next Point	SC-01 Emulator	U28
		1	LM393 Op-Amp	Analog Comparators Dual Differential	Atari-C061787/Mouser	595-LM393P	U1
		1	74LS10N	Logic Gates Triple 3-Input	Atari-C061429/Mouser	595-SN74LS10N	U21
		2	DS75451N	Buffers & Line Drivers Dual Hi Spd Periph	Atari-C061719/Mouser	595-SN75451BP	U23,U24
		1	74LS30N	Logic Gates 8-Input	Atari-C061481/Mouser	595-SN74LS30N	U29
		2	74LS245N	Bus Transceivers Octal Bus	Atari-C061689/Mouser	595-SN74LS245N	U19,U20
		1	74LS07N	Buffers & Line Drivers Hex W/ OC HV Out	Atari-C062080/Mouser	595-SN74LS07N	U30
		3	74LS244N	Buffers & Line Drivers Tri-State Octal	Mouser	595-SN74LS244N	U10, U22, U31
		1	74LS688N	Logic Comparators 8-Bit Magnitude	Atari -C061718/Mouser	595-SN74LS688N	U15
		1	74LS138N	Decoders / Demultiplexers	Mouser	595-SN74LS138N	U14
		1	74LS03N	Logic Gates Quad 2 Input	Atari-C016540/Mouser	595-SN74LS03N	U32
		1	74LS32N	Logic Gates Quad 2-Input	Mouser	595-SN74LS32N	U35
		1	74LS273N	Flip Flops Octal	Atari-C061687/Mouser	595-SN74LS273N	U27
		1	74LS08N	Logic Gates Quad 2-Input.	Atari-C017097/Mouser	595-SN74LS08N	U13
		1	CD4050	Buffers & Line Drivers Hex Non-Inverting	Atari-C061430/Mouser	595-CD4050BE	U18
		1	UM61512A				U8
		or					
		1	AS6C1008	IC SRAM 1MBIT PARALLEL 32DIP	Digikey	1450-1017-ND	U25
		1	SN74HCT00N	C GATE NAND 4CH 2-INP 14DIP	Digikey	296-1603-5-ND	U9
		1	SN74HCT14N	IC INVERT SCHMITT 6CH 1INP 14DIP	Digikey	296-8394-5-ND	U34
		Connectors & Sockets					
		1	SIO	Serial Interface Connector	Atari-C012995	Salvage from existing 1200XL	J1
		1	Monitor Port	5-Pin DIN Female Sockets PCB	Atari-C014388/Amazon	5-Pin DIN Female Socket	J2
		2	Joystick Port	"D" 9pin Male Connector	Atari	C010448	J5,J6
		1	Keyboard Port	ØONN HEADER R/A 15POS 2.54MM	Digikey	A23896-ND	J8
		1	Keyboard LED Port	ØONN HEADER R/A 5POS 2.54MM	Digikey	A19341-ND	J7
		1	PJ-059B	CONN PWR JACK 2.5X5.5MM SOLDER	Digikey	CP-059B-ND	J11
		1	Header	1x40 2.54mm 40pin Breakaway Header	Ebay	10pcs 1x40 Male Header	J9, J10,J12, J13, J14
		1		1200XL Cartridge Shroud w/RA Cart Connector	Best Electronics/1200XL Salvage	C060097	J4
		or					
		1		3D Printed Cart Shroud & PCB	ScreamingAtTheRadio	1200XL Cart Port/Shroud/PCB	J4
		3	8pin IC Socket	ØONN IC DIP SOCKET 8POS TIN	Digikey	3M5461-ND	U1,U23,U24
		8	14pin IC Socket	CONN IC DIP SOCKET 14POS TIN	Digikey	3M5462-ND	U9, U13, U21, U29, U30, U32. U34, U35
		2	16pin IC Socket	CONN IC DIP SOCKET 16POS TIN	Digikey	3M5463-ND	U14, U18
		10	20pin IC Socket	ØONN IC DIP SOCKET 20POS TIN	Digikey	3M5465-ND	U7, U10, U11, U12, U15, U19, U20, U22, U27, U31
		1	22pin IC Socket	CONN IC DIP SOCKET 22POS TIN	Digikey	AE10264-ND	U28
		2	24pin IC Socket	ØONN IC DIP SOCKET 24POS TIN	Digikey	3M5467-ND	U5,U6

Sourced	Installed	Qty	Name/Value	Description	Vendors	Part Numbers	Part Ref
		1	28pin IC Socket	CONN IC DIP SOCKET 28POS TIN	Digikey	A120354-ND	U4
		1	32pin IC Socket	CONN IC DIP SOCKET 32POS 7.62MM			U8
		or					
		1	32pin IC Socket	CONN IC DIP SOCKET 32POS 15.24MM	Digikey	A120356-ND	U25
		5	40pin IC Socket	CONN IC DIP SOCKET 40POS TIN	Digikey	3M5471-ND	U2,U3,U16,U17,U26
		1	2x25 Dual Row Header	Breakaway Header 2x25pin 2.54mm pitch	Ebay	Dual Row Male Pin Header	PBI Riser Conn
		1	Conn HDR	CONN HDR 2x25 Dual Row	Digikey	S7128-ND	PBI Riser Conn
		2	Spacers	M3 x 10mm Hex Nylon	Mouser	855-R30-1611000	Stabalizer for PBI Riser
		2ea	Screws & Nuts	M2.5 x 20mm Hex Socket Head/Bolts	Amazon	Sutemribor Screw/Nut Kit	Stabalizer for PBI Riser
		Switches					
		1	Power Switch	SPST	Digikey	2449-ANR11R11P2VQE-ND	SW1
		Optional Parts for Addin Boards					
Sophia2MiniHDMI Optional Parts							
		1	PCB	Sophia2MiniHDMI PCB	Dropcheck	Sophia2 MiniHDMI PCB	In Gerber Folder
		1	Mini HDMI	Mini-HDMI 19POS	Digikey	A108261CT-ND	J1
		1	Conn	CONN RCPT 16POS 0.1 TIN PCB	Digikey	A110872CT-ND	J2
		2	Spacers	Spacer M3x 3mm Circular Nylon	Mouser	855-R30-6700394	
		2ea	Screws & Nuts	M2.5 x 12mm Hex Socket Head/Bolts	Amazon	Sutemribor Screw/Nut Kit	
UGV II Parts							
		1	PCB	UGV II Assembled Board	Source Info	UGV-II	
Midi							
		1	U178	Audio Module Synth Unit(Dissassemble)	Mouser	170-U178	J15
		1	2 K	RES 2K OHM 5% 1/4W AXIAL	Digikey	CF14JT2K00CT-ND	R95
		1	68 K	RES 68K OHM 5% 1/4W AXIAL	Digikey	CF14JT68K0CT-ND	R96
		2	,1 uF	CAP CER 0.1UF 50V Z5U AXIAL	Digikey	399-4484-1-ND	C78, C79
		1	PIC12F1572	IC MCU 8BIT 3.5KB FLASH 8DIP	Digikey	PIC12F1572-I/P-ND	U33
		1	8pin IC Socket	CONN IC DIP SOCKET 8POS TIN	Digikey	3M5461-ND	U33
PokeyMax 2B / 4							
		1		PokeyMax 2B/4			
		1	PCB	Stereo Audio Out PCB	Dropcheck	Stereo Audio Out PCB	In Gerber Folder
		1	Audio Out	CONN JACK STEREO 3.5MM R/A	Digikey	SC1463-ND	
		1	1x40 pin 2.54mm	40pin RA Breakaway SIP Header	Ebay	10pc 1x40 pin RA Header SIP	For PokeyMax 2B pcb
		or					
		1	2x40 pin 2.54mm	2x40 RA Male Header(PokeyMax 4 only)	Ebay	2x40 pin Right Angle Header	For PokeyMax 4 pcb
		2	Spacers	Spacer M3 x 4mm Circular Nylon	Mouser	855-R30-6700494	
		2ea	Screws & Nuts	M2.5 x 12mm Hex Socket Head/Bolts	Amazon	Sutemribor Screw/Nut Kit	