

level	parts number	qty	parts name	material	manufacturer	supplier	unit cost	cost	parts description	comment
*			Internet Radio Receiver Product							
#	AD-K120P-100	1	Switching Power Supply DC12V/1A	EL	XIAMEN UME	Akizuki	¥580	¥580	INPUT AC100-240V,50/60Hz,25VA OUTPUT DC12V/1A	
*		1	Internet Radio Receiver Main Unit							
#	P-612	1	BOX Chassis with Cover	ME	LEAD	Rakuten	¥1,204	¥1,204	150x60x150mm, t=1.0,230g, Aluminium, Screw M2.6x7 x6pcs	
#	B-P43	2/5	Rubber Foot BP Type 21/17/7 BLACK (10pcs)	ME	TAKACHI	Sengoku	¥220	¥88	10pcs/pack	
#	30X15BPS	2	Dial Shilver 30x15mm	ME	Linkman	Marutsu	¥579	¥1,158	30x15mm, 6.1mm, Aluminium	
*			Raspberry Pi ASSY							
#	Raspberry Pi Type B 512MB	1	Raspberry Pi Type B 512MB	PCBA	Raspberry Pi	Amazon	¥4,800	¥4,800	85.60x56.5mm, 3.5W, ARM1176JZF-S/700MHz, RAM 512MB	
#	SD-K008GR7AR30	1	SDHC card class10 UHS-1 8GB	EL	TOSHIBA	Amazon	¥528	¥528		
*		1	USB DAC Unit Assy							
#	AKI.DAC-U2704 REV.C	1	USB Audio DAC Unit Kit	Kit	Akizuki	Akizuki	¥1,700	¥1,700	42x45mm, USB mini-B, stereo RCA out, PCM2704	
*		1	Stereo Analog AMP Assy							
#	AE-8207	1	Stereo Analog AMP Kit TA8207KL	Kit	Akizuki	Akizuki	¥700	¥700	47x72mm, 4.6W + 4.6W	NM: VR1, VR2
#	CF25J220RB	2	Resister Carbon 220Ohm 1/4W 5%	EL	FAITHFUL LINK	Akizuki	¥1	¥2	100yen/100pcs	REWORK: R1, R2 0 Ohm -> 220 Ohm
#	RD25S 51K	2	Resister Carbon 51kOhm 1/4W 5%	EL	FAITHFUL LINK	Akizuki	¥1	¥2	100yen/100pcs	REWORK: R3, R4 100 kOhm->51k Ohm
#	FHU-1x425G	1/14	Pin Socket 1X42P	EL	Useconn Electronics	Akizuki	¥80	¥6	42pin/pc	REWORK: Need cut, make 1pinx3pcs
#	C-00167	1/20	Pin Header 1X40P	EL	Useconn Electronics	Akizuki	¥35	¥2	40pin/pc	REWORK: Need cut, make 2pinx1pc
*		1	Power Distribution Board							
#	AE-B2-CEM3	1/2	Universal PCB	PCB	Akizuki	Akizuki	¥100	¥50	100yen/sheet	REWORK: Need cut, use 1/2 of it
#	C-00167	1/4	Pin Header 1X40P	EL	Useconn Electronics	Akizuki	¥35	¥9	40pin/pc	REWORK: Need cut, make 2pinx5pcs
#	Micro USB-B5M solder	1	micro USB B cable connector	EL	Useconn Electronics	Akizuki	¥60	¥60		
#	UL1015-BLACK-AWG24R	1/4	Wire (black) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥14	54yen/m (1pc=1/4=250mm) 140mm	for micro USB B cable connector Vbus
#	UL1015-RED-AWG24R	1/4	Wire (Red) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥14	54yen/m (1pc=1/4=250mm) 140mm	for micro USB B cable connector Vbus
#	CAB103C40/110990054	1/2	Pin Socket Connector Cable 2P 2.54mm 300mm	EL	Seeed Studio	Sengoku	¥50	¥25	2.54mm Pin Socket at both ends, AWG24	REWORK: Need cut, 13cm
#	L7809CV	1	LDO L7809CV 9V/1A	SE	STMicroelectronics	Akizuki	¥30	¥30	TO-220, 150yen/5pcs,	
#	V7805-1000	1	Switching REG V7805-1000 5V/1A	SE	CUI INC	Akizuki	¥630	¥630	L78xx Pin Compatible	
#	2SJ681	1	Pch MOS FET 2SJ681	SE	TOSHIBA	Akizuki	¥40	¥40	60V/5A	
#	DTC144ESA	1	Digital Transister DTC144ESA	SE	ROHM	Takahiro	¥32	¥32	324yen/10pcs@Takahiro-Denshi Akihabara	
#	CF25J1KB	3	Resister Carbon 1kOhm 1/4W 5%	EL	FAITHFUL LINK	Akizuki	¥1	¥3	100yen/100pcs	
#	RD25S 10K	1	Resister Carbon 10kOhm 1/4W 5%	EL	FAITHFUL LINK	Akizuki	¥1	¥1	100yen/100pcs	
#	RPEF11H104Z2P1A01B	2	Ceramic Capacitor 0.1uF/50V	EL	MURATA	Akizuki	¥10	¥20	100yen/10pcs	
#	16MH722MEFC0465	2	Capacitor 22uF/16V	EL	Rubycon	Akizuki	¥10	¥20	5x7mm	
#	16MH5100MEFC6.3X5	2	Capacitor 100uF/16V	EL	Rubycon	Akizuki	¥20	¥40	6.3x5mm	
*		1	MUTE Circuit Board							
#	AE-B2-CEM3	1/2	Universal PCB	PCB	Akizuki	Akizuki	¥100	¥50	100yen/sheet	REWORK: Need cut, use 1/2 of it
#	C-05336	2/3	Pin Header L type 1X6P	EL	Useconn Electronics	Akizuki	¥10	¥7	6pin/pc, Angle Type	REWORK: Need cut, make 2pinx1pc+1pinx2pcs
#	2SJ681	1	Pch MOS FET 2SJ681	SE	TOSHIBA	Akizuki	¥40	¥40	60V/5A	
#	DTC144ESA	1	Digital Transister DTC144ESA	SE	ROHM	Takahiro	¥32	¥32	324yen/10pcs@Takahiro-Denshi Akihabara	
#	CF25J1KB	2	Resister Carbon 1kOhm 1/4W 5%	EL	FAITHFUL LINK	Akizuki	¥1	¥2	100yen/100pcs	
#	16MH5100MEFC6.3X5	1	Capacitor 100uF/16V	EL	Rubycon	Akizuki	¥20	¥20	6.3x5mm	
#	BBJ-20	1/20	Breadboard Jumper Wire (male-male)	EL	CIXI WANJIE ELECTRO	Akizuki	¥180	¥9	180yen/20pcs (use half of 1pc, 50mm) 100mm	REWORK:
*		1	Rotally SW Cable Assy							
#	SR25-1-1-12N	1	Rotally SW 1 circuit 12 terminal	EL	Sengoku	Sengoku	¥242	¥242		
#	C-00084	1	Pin Socket Connector 26P (2x13)	EL	Akizuki	Akizuki	¥50	¥50	2.54mm Pin Socket connector	
#	CAB103C40/110990054	1/2	Pin Socket Connector Cable 2P 2.54mm 300mm	EL	Seeed Studio	Sengoku	¥50	¥25	2.54mm Pin Socket at both ends, AWG24	REWORK: Need cut, 12cm
#	TK-PW75	1	Power Extention Cable 0.25m	EL	SANWA SUPPLY	Amazon	¥374	¥374		REWORK: Cut Male connector, use only female one For UART
#	FRXCFS20CR	1/4	Flat cable n=20 AWG28	EL	Marutsu	Marutsu	¥319	¥80	319yen/m(1pc=1/4=250mm) 180mm	
*		1	VOLUME Cable ASSY							
#	G24N-2(10K)	1	VOLUME Double 10kOhm A	EL	Sengoku	Sengoku	¥614	¥614		
#	UL1015-BLACK-AWG24R	1/2	Wire (black) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥27	54yen/m (1pc=1/4=250mm) 110mm	REWORK:
#	UL1015-RED-AWG24R	1/4	Wire (red) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥14	54yen/m (1pc=1/4=250mm) 110mm	REWORK:
#	UL1015-WHITE-AWG24R	1/4	Wire (white) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥14	54yen/m (1pc=1/4=250mm) 110mm	REWORK:
*		1	ALALOG LINE WIRES SET							
#	UL1015-BLACK-AWG24R	1/2	Wire (black) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥27	54yen/m (1pc=1/4=250mm) 80mm	REWORK:
#	UL1015-RED-AWG24R	1/4	Wire (red) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥14	54yen/m (1pc=1/4=250mm) 80mm	REWORK:

		#	UL1015-WHITE-AWG24R	1/4	Wire (white) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥14	54yen/m (1pc=1/4=250mm) 80mm	REWORK:
	*			1	SPEAKER TERMINAL CABLE ASSY SET							
		#	MB-124-G-R	2	TERMINAL RED	EL	AVVICON ELECTRONIC	Akizuki	¥70	¥140		
		#	MB-124-G-B	2	TERMINAL BLK	EL	AVVICON ELECTRONIC	Akizuki	¥70	¥140		
		#	UL1015-BLACK-AWG24R	1/2	Wire (black) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥27	54yen/m (1pc=1/4=250mm) 160mm	REWORK:
		#	UL1015-RED-AWG24R	1/4	Wire (red) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥14	54yen/m (1pc=1/4=250mm) 160mm	REWORK:
		#	UL1015-WHITE-AWG24R	1/4	Wire (white) AWG24	EL	Shinagawa-Densen	Marutsu	¥54	¥14	54yen/m (1pc=1/4=250mm) 160mm	REWORK:
	*			1	DCIN CABLE ASSY							
		#	MJ-15	1	DC Jack 2.5mm/5.5mm		Marushin Musen	Akizuki	¥60	¥60		
		#	CAB103C40/110990054	1/2	Pin Socket Connector Cable 2P 2.54mm 300mm	EL	Seeed Studio	Sengoku	¥50	¥25	2.54mm Pin Socket at both ends, AWG24	REWORK: Need cut, 17cm
	*			1	POWER SW CABLE ASSY							
		#	1MS1-T1-B1-M1-Q-N	1	Switch 1 circuit 2 contacts	EL	Cosland	Akizuki	¥80	¥80	Red body	
		#	CAB103C40/110990054	1/2	Pin Socket Connector Cable 2P 2.54mm 300mm	EL	Seeed Studio	Sengoku	¥50	¥25	2.54mm Pin Socket at both ends, AWG24	REWORK: Need cut, 6cm
	*			1	LED CABLE ASSY							
		#	L053GD	1	LED GREEN 5mm	SE	LENOO	Sengoku	¥16	¥16		
		#	LED braket 5mm Convex Typ	1	LED braket 5mm Convex Type	ME	Yatsugatake Club	Sengoku	¥163	¥163		
		#	CAB103C40/110990054	1/2	Pin Socket Connector Cable 2P 2.54mm 300mm	EL	Seeed Studio	Sengoku	¥50	¥25	2.54mm Pin Socket at both ends, AWG24	REWORK: Need cut, 8cm
	*			1	LAN EXTENSION CABLE ASSY							
		#	LAN EXTENTION 60cm	1	LAN extention cable 60cm with screw holes	EL	titosoy	Amazon	¥512	¥512		REWORK:
		#	LD-RJ45T10A	1/10	RJ45 Connector	EL	ELECOM	Amazon	¥420	¥42	10pcs/pack	
	*			1	USB EXTENSION CABLE ASSY							
		#	USB-002D	1	USB extention cable 80cm with screw holes	EL	AINEX	Amazon	¥709	¥709		REWORK:
		#	USB-AM Solder Long	1	USB STD-A Cable connector	EL	Useconn Electronics	Akizuki	¥70	¥70		
		#	U2C-GMM025BK	1	USB CABLE (STD-A/mini-B)	EL	ELECOM	Amazon	¥373	¥373		REWORK: remove boot area of STD-A connector
	*			1	Chassis Mount Set							
		#	ASR-11	8	Adhasive Spacer ASR-11	ME	TAKACHI	Akizuki	¥30	¥240	11mm	
		#	EO-108B	##	Screw M3x6 Nickel-Brass	ME	Neji-Navi	Neji-Navi	¥10	¥100		for board mount and cable assy mount
		#	EO-105B	2	Screw M2.6x6 Nickel-Brass	ME	Neji-Navi	Neji-Navi	¥11	¥22		for Raspberry-Pi
	*				Material for production							
		#	TCW0.5L10	1/10	Tinned Copper Wire 0.5mm	EL	Marutsu	Marutsu	¥270	¥27	270yen/10m use about 1m	for PCB wiring
										¥16,232		