

BOM of MA-215 Arabesque

2016/04/11

Electronic parts

tax incl' (5% till 2014/03/31, 8% from 2014/04/01)

Category	Part name	Model number	Manufacturer	Spec	Used Qty	Purchase Qty	@Price	Price	Cost	Retailer	Purchase Date	RefDes	Note	
Semiconductor	Power amp IC	LM3886TF/NOPB	TI	Class-AB, 68W	2	6	¥756	¥4,536	¥1,512	Digi-Key	2014/03/18	U1		
	LED	L5-EKR2530-12500	Linkman	Ultra-bright red	3	0	¥40	¥0	¥120	Marutsu	2012/07/26	D109-111	Bought for PE-114	
	LED	LLED-B301	Linkman	Ultra-bright blue	2	14	¥39	¥546	¥78	Marutsu	2015/06/24	D112-113		
	Schottky barrier diode	31DQ10	Nippon Inter	100V, 3A	4	10	¥231	¥2,310	¥924	Kyoritsu Elec	2014/03/26	D101-108		
Transformer	Power transformer	RA80-260	Phoenix	20V-0-20V 1A x2	1	1	¥9,030	¥9,030	¥9,030	Phoenix	2014/03/14	TF101	Order-made	
SW, Conn	Toggle SW w/breaker	IBP-1-2A	Nikko Electric MFG.	240V, 2A, Midium break	1	1	¥1,700	¥1,700	¥1,700	Amtrans	2014/09/06	SW101	Shipping cost ¥1k	
	Mains plug	WF5018	Panasonic	125V, 15A, Hospital grad	0	0	¥1,239	¥0	¥0	Oyaide	2010/06/10	P101	From stock, replaced by cord assy	
	6P toggle SW	MS-500F-B	Miyama Electric	6A 125V, 2c	1	0	¥210	¥0	¥210	Sato Parts	???	SW102	From stock	
	RCA jack	MR-699G-7	Marushin Musen Denki	White	1	0	¥94	¥0	¥94	Marutsu	2012/07/23	J101	Bought for PE-114	
	RCA jack	MR-699G-0	Marushin Musen Denki	Red	1	0	¥94	¥0	¥94	Marutsu	2012/07/23	J102	Bought for PE-114	
	Speaker terminal	CP-212Red	Amtrans	Red	2	4	¥350	¥1,400	¥700	Marutsu	2014/09/11	T101,103		
	Speaker terminal	CP-212Black	Amtrans	Black	2	4	¥350	¥1,400	¥700	Marutsu	2014/09/11	T102,104		
	Grommet	(unknown)	(unknown)	Small	20	0	¥1	¥0	¥20					From stock
	Stand-off	TST-D1		Tall	2	20	¥150	¥3,000	¥300	Kaijin Musen	2014/02/13	T125-126		
	Stand-off	TST-D2		Short	22	10	¥140	¥1,400	¥3,080	Kaijin Musen	2014/02/13	T105-109,112,115-119,121-122,124		
	Tag strip	L3552-2P	Sato Parts	1L 2P	4	25	¥33	¥825	¥132	Marutsu	2015/06/24			
	Lug	-	-	Egg-shaped, M3	13	0	¥2	¥0	¥26	???	???			From stock
	Passive	AC line noise filter	MR-2054	Tokin	250V 5A	1	0	¥1,390	¥0	¥1,390	???	???	FL101	From stock
		Spark killer	S1201	Okaya	0.1uF+120ohm	1	4	¥108	¥432	¥108	Marutsu	2014/09/11	SK101	
VR 20k (B)		RV24YN20SB203	Tocos	20k (B) single	2	2	¥410	¥821	¥821	Marutsu	2014/09/11	VR101-102		
3W 1k		MOS3C102J	KOA	Metal-oxide	4	8	¥43	¥346	¥173	Marutsu	2014/09/11	R107-110		
2W 10		AMRG 2W 10 Ω F	Amtrans	Carbon for audio	2	4	¥370	¥1,482	¥741	Marutsu	2014/09/11	R7		
0 ohm		-	-	-	1	0	¥0	¥0	¥0					Dummy
1/3W 560		FTR33S-560	Taiyohm	Carbon for audio	4	8	¥31	¥248	¥124	Kaijin Musen	2014/04/23	R2,102,105		
1/3W 8.2k		FTR33S-8.2k	Taiyohm	Carbon for audio	2	4	¥31	¥124	¥62	Kaijin Musen	2014/04/23	R6		
1/3W 22k		FTR33S-22k	Taiyohm	Carbon for audio	2	4	¥31	¥124	¥62	Kaijin Musen	2014/04/23	R3		
1/3W 100k		FTR33S-100k	Taiyohm	Carbon for audio	8	10	¥31	¥310	¥248	Kaijin Musen	2014/04/23	R1,4,8,101,104		
1/4W 6.8k		One yen	Akizuki	Carbon	4	0	¥1	¥0	¥4	Akizuki	1982/??/??	R111-114	From stock	
35V 22u		UFG1V220MEM	Nichicon	E-cap, radial, for audio	4	8	¥79	¥631	¥315	Marutsu	2014/09/11	C4,6		
35V 100u		UKW1V101MED	Nichicon	E-cap, radial, for audio	2	4	¥76	¥302	¥151	Marutsu	2014/09/11	C2		
35V 470u		UFG1V471MHM	Nichicon	E-cap, radial, for audio	4	8	¥192	¥1,538	¥769	Marutsu	2014/09/11	C8-9		
35V 4700u		UKW1V472MHD	Nichicon	E-cap, radial, for audio	4	8	¥432	¥3,456	¥1,728	Marutsu	2014/09/11	C106-107,109-110		
200V 22p		C317C220J2G5TA	KEMET	Ceramic	2	4	¥31	¥125	¥63	Marutsu	2014/12/12	C11		
100V 220p		AMCH2A221J	Amtrans	PP film for audio	2	4	¥227	¥907	¥454	Marutsu	2014/12/10	C10		
100V 1000p		AMCH2A102J	Amtrans	PP film for audio	2	4	¥268	¥1,071	¥536	Marutsu	2014/09/11	C101,103		
50V 1u		MMTVH50J1050200	Nissei Denki	Metalized polyester film	4	10	¥43	¥429	¥172	Marutsu	2014/09/11	C1,3		
100V 0.1u		SR201C104KAR	AVX	Ceramic	4	8	¥52	¥415	¥207	Marutsu	2014/09/11	C105,108		
50V 0.1u	C320C104M5U5TA	KEMET	Ceramic	8	12	¥37	¥441	¥294	Marutsu	2014/09/11	C5,7,112-115			
Wire	AC power cord	19364	Belden	AWG14, screened	0	6	¥1,050	¥6,300	¥0	Oyaide	2014/09/09			
	AC power cord assy	-	?	1.25 sq. 1.5m w/plug	1	1	¥400	¥400	¥400	Sugihara Denshi	2006/04/14	P101		
	Shielded wire	2520	Mogami	OFC	0.5	2	¥410	¥820	¥205	Oyaide	2014/09/09			
	Single wire	2.0mm OFC	Oyaide	OFC, black	0.5	2	¥216	¥432	¥108	Oyaide	2014/09/09			
	Single wire	2516	Mogami	1.25sq, OFC, black	0.5	4	¥324	¥1,296	¥162	Oyaide	2014/09/09			
	Single wire	2516	Mogami	1.25sq, OFC, red	0.5	4	¥324	¥1,296	¥162	Oyaide	2014/09/09			
	Single wire	2516	Mogami	1.25sq, OFC, blue	0.5	4	¥324	¥1,296	¥162	Oyaide	2014/09/09			
	Single wire	2515	Mogami	0.75sq, OFC, black	0.3	4	¥259	¥1,036	¥78	Oyaide	2014/09/09			
	Single wire	2515	Mogami	0.75sq, OFC, red	0.3	4	¥259	¥1,036	¥78	Oyaide	2014/09/09			
	Single wire	2515	Mogami	0.75sq, OFC, blue	0.3	4	¥259	¥1,036	¥78	Oyaide	2014/09/09			
	Single wire	HW-22	Oyaide	AWG22, PC-OOC, black	0.3	4	¥151	¥604	¥45	Oyaide	2014/09/09			
	Single wire	HW-22	Oyaide	AWG22, PC-OOC, white	0.3	4	¥151	¥604	¥45	Oyaide	2014/09/09			
	Single wire	UL1429	Kyowa	AWG28, red	0.5	0	¥75	¥0	¥38	Sugihara Denshi	2006/04/14		From stock	
	Single wire	UL1429	Kyowa	AWG28, black	0.5	0	¥75	¥0	¥38	Sugihara Denshi	2006/04/14		From stock	
	Single wire	GW-T-0.7Of	Amtrans	0.7mm x 4m OFC	0.1	1	¥2,324	¥2,324	¥232	Marutsu	2015/06/24			
	Single wire	UEW1.0L10	(unknown)	1.0mmx10m Polyurethane	0.01	1	¥464	¥464	¥5	Marutsu	2014/09/11	L1		
	Shrink tube	Sumitube C3C	Sumitomo Denko	3phi, 3m	0.3	0	¥47	¥0	¥14	Marutsu	2010/08/13		From stock	
Board	Bakelite	VP-22	Takachi	2t 300x200mm	0.5	2	¥929	¥1,858	¥464	Marutsu	2014/09/11	BD101-104		
Other	Tie band	Insulok AB100-W-100	HellermanTayton	2.5mm x 100mm	2	100	¥1	¥140	¥3	Joyful Honda	2015/09/27			
	Tie band	Insulok IT18R	HellermanTayton	2.5mm x 100mm w/tag	1	100	¥10	¥1,040	¥10	Moriden @Rakuten	2015/09/28			
Electronic parts total									¥61,330	¥29,467				

Mechanical parts

Category	Part name	Model number	Manufacturer	Spec	Used Qty	Purchase Qty	@Price	Price	Cost	Vendor	Purchase date	RefDes	Note
Case	Aluminum case	P-401	Lead	1t 180x130x60	2	2	¥1,234	¥2,468	¥2,468	Sengoku Net	2014/11/12	C1-2	
	Aluminum channel	-	-	2t 40x20x1000	1	2	¥1,470	¥2,940	¥1,470	Joyful Honda	2013/09/30	CH1-4	
	Aluminum channel	-	-	2t 15x15x1000	0.3	1	¥453	¥453	¥136	Joyful Honda	2014/11/04	CH5-6	
	Aluminum angle	-	-	3.0t 15x15x300	1.1	2	¥267	¥534	¥294	Joyful Honda	2014/10/29	A1-10	
	Aluminum square bar	-	-	8x8x1000	0.85	1	¥790	¥790	¥672	Joyful Honda	2014/02/07	B1-6	
	Aluminum board	B(CS)	Eggs	1.0x600x400	0.6	2	¥2,480	¥4,960	¥1,488	Joyful Honda	2014/02/07	P7-8	
	Aluminum board (black)	K-113	Takachi	1.5x400x300	1	1	¥1,210	¥1,210	¥1,210	Marutsu	2014/09/11	P5-6	
	Aluminum perforated board	PA-23	Takachi	1.0x400x300	1	1	¥1,240	¥1,240	¥1,240	Sugihara Denshi	2006/04/14	PP1-6	From stock
	Hair-lined aluminum board	NP22	Lead	1.5x300x200	1	1	¥580	¥580	¥580	Sugihara Denshi	2006/04/14	P1-2	
	Copper board	C-5	Takachi	1.0x200x100	1	1	¥756	¥756	¥756	Marutsu	2014/12/05	P9-10	
	Vibration proof rubber	THI-555	Tokyo Bouon	Henanite rubber x4	0	1	¥1,543	¥1,543	¥0	Joyful Honda	????/??/??		Replaced by Celldamper
	Felt				0	0	¥580	¥0	¥0	Joyful Honda	????/??/??		Replaced by Celldamper
	Urethane mat	Celldamper	Yahata Screw	5x100x100	1	1	¥895	¥895	¥895	Joyful Honda	2014/??/??		
	Optical fiber	4547	Sakatsu	0.75phi 1.5m	0.001	1	¥324	¥324	¥0	Sakatsu @Rakuten	2014/11/10		
	Mounting	Knob (small)	(unknown)	Sato Parts		2	0	¥200	¥0	¥400			
Spacer		AMR-320E	Hirosugi Keiki	M3, 20mm x2	8	12	¥76	¥907	¥605	Marutsu	2014/12/05		
Spacer		C310	Hirosugi Keiki	M3, 10mm	4	23	¥25	¥571	¥99	Marutsu	2014/12/05		
Copper sheet		-	-	0.1x100x200mm	0.1	1	¥270	¥270	¥27	Joyful Honda	2010/??/??		From stock
Heat sink	Rubber bushing	GB-15	Kyowa Kagaku Kougyo	15mmx8phi	1	4	¥54	¥216	¥54	Marutsu	2014/09/11		
	Heat sink for TO-220	SK 487/37.5 SA	Fischer Elektronik	5K/W, clip type	2	2	¥299	¥598	¥598	RS-online	2014/03/26	HS1	
	Holder spring	THFU 1	Fischer Elektronik	For SK heat sink	0	25	¥15	¥375	¥0	RS-online	2014/03/26		
Screw	Plastic washer	-	-	M3	2	0	¥2	¥0	¥4				From stock
	Steel screw			M3 L10	17	0	¥2	¥0	¥34				From stock
	Steel screw			M3 L10 mushroom head	24	30	¥10	¥309	¥247	Joyful Honda	2015/05/14		Incl. nuts & washer
	Steel screw			M4 L8 hexagonal	4	4	¥21	¥84	¥84	Joyful Honda	2015/05/27		
	Steel screw			M5, L12	4	80	¥3	¥240	¥12	neji-no1.com	2014/05/07		
	Steel screw			M3 L8 hexagonal	8	22	¥11	¥242	¥88	neji-no1.com	2014/12/08		
	Stainless screw			M3 L10	91	150	¥3	¥450	¥273	neji-no1.com	2014/12/08		
	Stainless screw			M3 L20	4	60	¥4	¥240	¥16	neji-no1.com	2014/12/08		
	Aluminum screw			M3 L10	8	7	¥40	¥280	¥320	neji-no1.com	2015/06/24		
	Aluminum screw			M3 L25	8	20	¥12	¥240	¥96	neji-no1.com	2015/06/24		
	Brass screw			M3 L6	36	200	¥2	¥400	¥72	neji-no1.com	2015/06/24		
	Plastic screw			M3 L10	4	0	¥10	¥0	¥40				From stock
	Steel flat washer			M3	7	0	¥1	¥0	¥7				From stock
	Plastic flat washer			M3	4	1	¥9	¥9	¥34	Joyful Honda	2015/06/26		
	Rubber washer	-	-	M3	16	0	¥2	¥0	¥32				From stock
	Steel inner clip washer			M3	85	238	¥1	¥238	¥85	neji-no1.com	2014/12/08		
	Steel inner clip washer			M5	4	200	¥2	¥400	¥8	neji-no1.com	2014/05/07		
	Stainless inner clip washer			M3	234	2000	¥1	¥2,200	¥257	neji-no1.com	2014/12/08		
Steel nut			M3	40	238	¥1	¥238	¥40	neji-no1.com	2014/12/08			
Steel nut			M5	4	10	¥6	¥60	¥24	neji-no1.com	2014/05/07			
Stainless nut			M3	96	200	¥5	¥1,000	¥480	neji-no1.com	2014/12/08			
Mechanical parts total									¥28,260	¥15,245			

Consumative tools

Category	Part name	Model number	Manufacturer	Spec	Used Qty	Purchase Qty	@Price	Price	Cost	Retailer	Purchase date	RefDes	Note
Finish	Spray paint	Creative-100-58	Asahi Pen	Mat clear	1	1	¥398	¥398	¥398	Sumai Kaiteki @Rakuten	2012/08/16		
	Spray paint	N01	Kanpe	Surface conditioner	1	1	¥398	¥398	¥398	Joyful Honda	2015/03/12		
	Spray paint	N01	Kanpe	Mat black	0.5	1	¥835	¥835	¥418	Joyful Honda	2015/05/27		
	Spray paint	F-731	SOFT99	Silver metallic (SUBARU)	0.3	1	¥1,280	¥1,280	¥384	Joyful Honda	2015/05/30		
	Transfer sheet	#51112	A-one	A4, transparent	1	1	¥980	¥980	¥980	Joyful Honda	2012/10/02		
Mechanics	Masking tape	243JPL	3M	24W	0.1	1	¥432	¥432	¥43	Joyful Honda	2015/05/14		
	Screw lock	1401B	ThreeBond	Green	0.1	0	¥1,150	¥0	¥115	Sugihara Electronics			From stock
Soldering	Silver solder containing Cu	SR4N-CU	Wako Technical	Pb-free, 100g	0.2	1	¥2,830	¥2,830	¥566	Joshin Web @Rakuten	2014/04/12		
	Titan audio oil	TI-102-30ML	Wako Technical	Contact cleaner, 30ml	0.2	1	¥1,580	¥1,580	¥316	Joshin Web @Rakuten	2014/05/04		
Assembly	Thermal compound	(unknown)	(unknown)	(unknown)	0.01	0	¥750	¥0	¥8	?	?		From stock
	Soft putty	Kabe Pate	Kateikagaku Kogyo	500g	0.1	0	¥300	¥0	¥30	Cainz Home	?		From stock
	Silicon bond							¥0	¥0				
	Butyl rubber tape	BN50	Fostex	50mm x 1mm x 15m	0.02	0	¥2,000	¥0	¥40	Kimura Musen	?		From stock
Consumative tool total									¥4,323	¥3,695			

Grand total

¥93,912 ¥48,407