

BOM of CC-218 MCU Board (BD3)

2024/11/19

Electronic parts													
tax incl' (8% till 2019/09/30, 10% since 2019/10/01)													
列1	列2	列3	列4	列5	列6	列7	列8	列9	列10	列11	列12	列13	列14
Category	Part name	Model number	Manufacturer	Description	Used Qty	Purchase Qty	@Price	Price	Cost	Retailer	Purchase Date	Referece Designator	Note
Semiconductor	IR sensor	TSOP34838	Vishay	38kHz, 3p thru hole	1	1	¥218	¥218	¥218	Digi-Key	2023/07/17	U5	
	Micro controller	PIC18F2520-I/SP	Microchip Technology	8BIT 32KB FLASH 40MHz	1	1	¥1,099	¥1,099	¥1,099	Digi-Key	2023/09/19	U1	
	RS232C transceiver	ST232BDR	ST Microelectronics	Dual transceiver	1	1	¥199	¥199	¥199	Digi-Key	2023/09/19	U2	
	Op amp, dual	LMV358IDR	Texas Instruments	Rail-to-rail, dual, 2.7-5.5V	2	2	¥80	¥161	¥161	Digi-Key	2023/11/08	U3-4	
	P-ch MOSFET	GSF2301	Good-Ark Semiconductor	-20V, 110mohm, -3A	3	3	¥44	¥132	¥132	Digi-Key	2023/11/08	Q1-3	
	Small diode	1SS85	Hitachi		1	0						D1	From stock
	LED	LA504W3CA2C02	Linkman	Ultra-bright white, Phi5	1	0	¥152	¥0	¥152	Marutsu	2023/10/05	LED1	Bought for VOL Board
						0		¥0	¥0				
Passive	E-Cap, 25V/47u	UVR1E470MDD	Nichicon	25V/47u, lead, 2mm spacing	1	0	¥27	¥0	¥27	Marutsu	2023/10/05	C1	10 pcs bought for VOL Board
	C-Cap, 50V/1000p	RDE5C1H102J0P1H03B	Murata	50V/1000p, lead, 2.5mm spacing	1	10	¥49	¥486	¥49	Digi-Key	2023/11/08	C9	
	C-Cap, 10V/0.15u	GRM188R61A154KA01D	Murata	10V/0.15u, SMD, 1608	8	20	¥23	¥462	¥185	Marutsu	2023/10/05	C2-7,10-11	
	C-Cap, 50V/1u	RDER71H105K2K1H03B	Murata	50V/1u, lead, 5.0mm spacing	1	10	¥66	¥661	¥66	Digi-Key	2023/11/08	C12	
	C-Cap, 50V/3.3u	RDER71H335K3K1H03B	Murata	50V/3.3u, lead, 5.0mm spacing	2	10	¥140	¥1,398	¥280	Digi-Key	2023/11/08	C8,13	
	C-Cap, 16V/10u	GRM188R61C106KAALD	Murata	16V/10u, SMD, 1608	3	10	¥33	¥330	¥99	Marutsu	2023/10/05	C14-16	
	1/4W, 33	RK73B2BTTD330J	KOA	1/4W, 33, 5%, 1206	1	10	¥6	¥55	¥6	Marutsu	2023/10/05	R8	[2024/11/19]
	1/4W, 150	RK73B2BTTD151J	KOA	1/4W, 150, 5%, 1206	3	10	¥6	¥55	¥17	Marutsu	2023/10/05	R8,13-14	[2024/11/19]
	1/4W, 10k	RK73B2BTTD103J	KOA	1/4W, 10k, 5%, 1206	11	20	¥6	¥110	¥61	Marutsu	2023/10/05	R1-7,9-12	
						0		¥0	¥0				
SW, Conn	Post	S14B-XH-A	JST	14P, 2.5mm pitch post, side	1	1	¥201	¥201	¥201	Marutsu	2023/10/05	PL303	
	Post	S8B-XH-A	JST	8P, 2.5mm pitch post, side	1	1	¥67	¥67	¥67	Marutsu	2023/10/05	PL302	
	Post	S4B-XH-A	JST	4P, 2.5mm pitch post, side	1	1	¥37	¥37	¥37	Marutsu	2023/10/05	PL301	
	Post	B3B-XH-A	JST	3P, 2.5mm pitch post, top	2	2	¥26	¥52	¥52	Marutsu	2023/10/05	PL304-305	
	Pin header	2130S1*8GSE	Linkman	SIL8P, 2.54mm pitch, straight	1	2	¥72	¥144	¥72	Marutsu	2023/10/05	PL306	
	Pin header	2130S1*8GSE	Linkman	SIL3P, 2.54mm pitch, straight	1	0	¥72	¥0	¥72	Marutsu	2023/10/05	PL307	Cut out of SIL8P
	Jumper pin	2180-ABA	Linkman	2P, 2.54mm pitch	1	2	¥8	¥16	¥8	Marutsu	2023/10/05	J307	
	Check pin	LC-33-G-R	Sun Hayato	Phi=2.2mm, gold-plated, red	11	20	¥29	¥587	¥323	Marutsu	2023/10/05	T1-11	Sun Hayato SLC-33G-R that contains 20 pcs of LC-33-G-R
								¥0	¥0				
								¥0	¥0				
Module								¥0	¥0				
								¥0	¥0				
Wire								¥0	¥0				
PCB	PCB	CC-218 MCU	JLPCPB	T=1.6mm, double-sided, 90x5	1	1	¥645	¥645	¥645	JLPCPB	2024/04/25	PCB3	5-pcs set, Incl. shipping
Other								¥0	¥0				
								¥0	¥0				
Electronic parts total								¥7,115	¥4,225				

Mechanical parts

Category	Part name	Model number	Manufacturer	Description	Used Qty	Purchase Qty	@Price	Price	Cost	Vendor	Purchase date	Ref Des	Note
列1	列2	列3	列4	列5	列6	列7	列8	列9	列10	列11	列12	列13	列14
Metal								¥0	¥0				
								¥0	¥0				
Wood								¥0	¥0				
								¥0	¥0				
Plastic								¥0	¥0				
								¥0	¥0				
Mounting								¥0	¥0				
								¥0	¥0				
Screw	Plastic washer	L0501-0389928	Yahata	M3, flat, clear	3	20	¥9	¥180	¥27	Joyful Honda	2024/07/25	WS1-3	[2024/09/22]
								¥0	¥0				
								¥0	¥0				
Finish								¥0	¥0				
								¥0	¥0				
								¥0	¥0				
Mechanical parts total									¥180	¥27			

Consumative tools

Category	Part name	Model number	Manufacturer	Description	Used Qty	Purchase Qty	@Price	Price	Cost	Retailer	Purchase date	Ref Des	Note
列1	列2	列3	列4	列5	列6	列7	列8	列9	列10	列11	列12	列13	列14
Finish								¥0	¥0				
								¥0	¥0				
Mechanics								¥0	¥0				
								¥0	¥0				
								¥0	¥0				
Soldering	Solder	HS-304	Hozan	Sn-3Ag-0.5Cu, Phi=1.0, 100g	0.1	0	¥2,042	¥0	¥204	Marutsu	2021/10/26		
	Solder wick	HS-380-2.5	Hozan	2.5mm x 1.5m, for Pb-free	0.1	0	¥488	¥0	¥49	Marutsu	2021/10/26		
Labor								¥0	¥0				
								¥0	¥0				
Consumative tool total									¥0	¥253			

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