

Designator	Type	Name	Footprint	Quantity	Note
	Shell	Game Boy Color Shell		1	
	Lens	Game Boy Color Glass Lens		1	
	Silicone	Game Boy Color Silicone set (Additionnal)		1	
	Button	Game Boy Pocket Buttons set (Additionnal)		2	
ZERO	Motherboard	Raspberry Pi Zero W		1	Motherboard not tested with non W version
	Screen	2.4inch ILI9341 18pin SPI		1	
	LiPo battery	Turnigy 2000mAh 1S 1C Lipo w/ 2 Pin JST-PH Connector		1	Can be order from HobbyKing
	Speaker	1W 8Ohms 23mm		1	CUI CMS-23558N-L152 provide a very good quality
	Header	2 way 2.54mm male header		1	
SPEAKER	Header	2 way 2.54mm right angle female header		1	Check Shell modification document, page 17
THERM10K	Thermistor	10K NTC		1	Replace with 0805 10k resistor if not used
BATTERY	Connector	JST PH 2 pin Right Angle	SMD	1	
CHARGE,DATA	Connector	USB Type B micro Female	SMD	2	
JACK	Connector	3.5mm 5pin Audio Socket (14x12)	Through-hole	1	
VOLUME	Potentiometer	B103 10K 5pin 14mm	Through-hole	1	16mm wheel require additional modification on the shell
BRIGHTNESS	Potentiometer	B103 1K 5pin 16mm	Through-hole	1	Check readme (Note : Screen Backlight)
C6,C14,C15,C16	Tantalum Capacitor	10uF	Case A 3216	4	
C13	Tantalum Capacitor	220uF	Case E 7343	1	
C23,C24	MLCC Capacitor	220pF	0805	0	Speaker LC filters. Only install if troubles with the speaker
C19,C20	MLCC Capacitor	2.2nF	0805	0	DAC LC filters. Only install if troubles with the headphone
C22,C31,C33	MLCC Capacitor	10nF	0805	3	Remove C33 to disable Stereo to Mono mixing
C1,C7,C8,C9,C10,C11,C12,C27,C28,C29,C32,C36	MLCC Capacitor	100nF	0805	12	
C5,C21,C26	MLCC Capacitor	1uF	0805	3	
C17,C18,C30	MLCC Capacitor	2.2uF	0805	3	
C2,C3	MLCC Capacitor	4.7uF	0805	2	
C4,C25,C34,C35	MLCC Capacitor	10uF	0805	4	
D1,D2,D4	Diode	1N4001W	SOD-123	3	
D3	Diode	LBAV70LT1G	SOT-23-3	1	
D5	USB ESD Protection	USBLC6-2SC6	SOT-23-6	1	
L1,L3	Ferrite Bead	300@ 2A 100MHz	0805	0	Do not install, part of C23,C24 LC filters
L2	Inductor	6.8uH	SMD 4x4	1	
LED-CHARGING	LED	Blue 2.8V 5mA	0603	1	
LED-LOW	LED	Red 2.2V 5mA	0603	1	
LED-POWER	LED	Green 2.35V 20mA	0603	1	
Q1,Q3	NPN Transistor	MMBT2222A	SOT-23-3	2	
Q2,Q4,Q5	P Channel Mosfet	NX2301P,215	SOT-23-3	3	
Q6	PNP Transistor	MMUN2133LT1G	SOT-23-3	1	
R41	Resistor	6.8	0805	1	
R31,R32,R33,R34	Resistor	30	0603	4	
R17,R23,R36	Resistor	330	0805	3	
R4,R14	Resistor	402	0603	2	
R25,R26	Resistor	470	0805	2	
R5	Resistor	604	0603	1	
R13	Resistor	680	0805	1	
R7,R22,R35,R37	Resistor	1K	0805	4	
R1,R2,R3,R6,R15,R16,R27,R28,R39,R40	Resistor	2K	0805	10	
R20,R29,R30,THERM10K	Resistor	10K	0805	4	
R19,R21	Resistor	100K	0805	2	
R8,R18,R24,R38	Resistor	150K	0805	4	Remove R38 to disable Stereo to Mono mixing
R10	Resistor	200K	0805	1	
R12	Resistor	330K	0805	1	
R9,R11	Resistor	1.8M	0805	2	
SW-KILL	Switch	Tactile	SMD 5.2x5.2	1	
SW-POWER	Slider Switch		SMD	1	Check Readme (Note : Power Slider)
TFT	Connector	FPC 0.8mm 18 pin	SMD	1	

U1	IC	MCP73833T-AMI/MF	DFN-10	1	
U2	IC	TPS61030PWPR	TSSOP-16	1	
U3	IC	PCA9633DP1,118	TSSOP-8	1	
U4	IC	PCM5102APWR	TSSOP-20	1	
U5	IC	PAM8304ASR	MSOP-8	1	
U6	IC	ADS1015IDGSR	VSSOP-10	1	
U7	IC	DS3231MZ+	SOIC-8	1	
U8	IC	MAX17048G+T10	TDFN-8	1	
U9	IC	MCP3221A5T-I/OT	SOT-23	1	Can be replaced by MCP3021A5T-I/OT
Total				107	