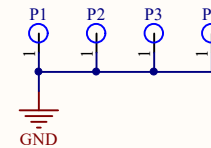
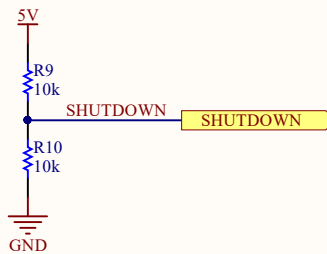
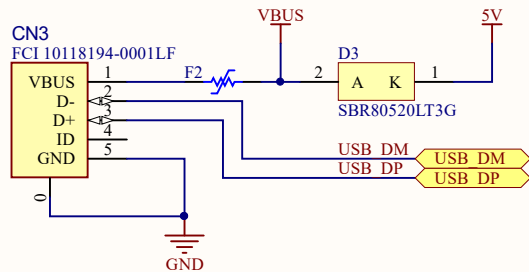
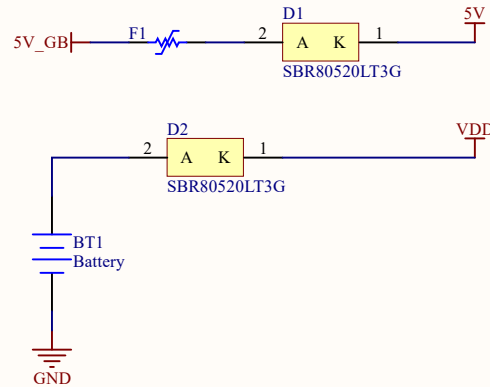
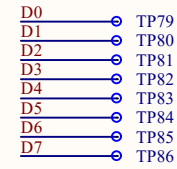
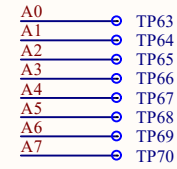
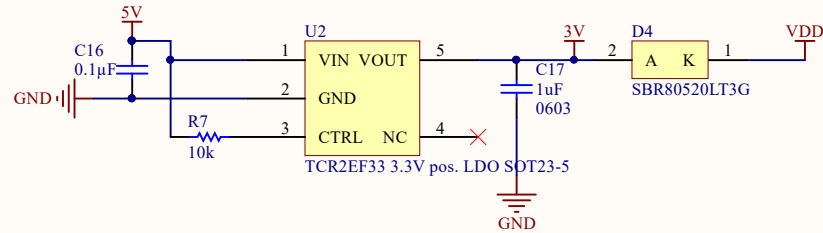
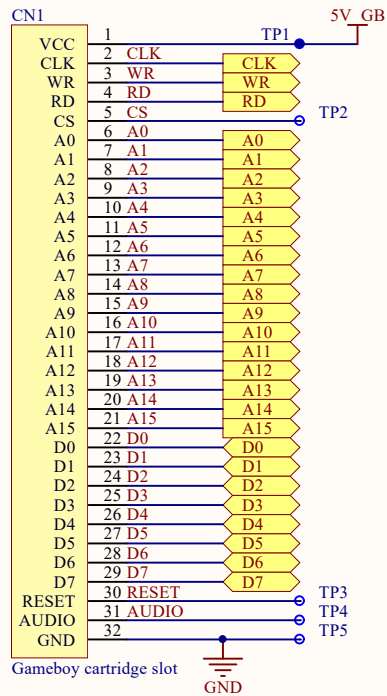


Capacitance	Comment	Description	Designator	Footprint	LibRef	Quantity	Resistance
	Battery	Holder Battery; Coin Battery; 1 Cell; Tab; 0.787 in. Dia.	BT1	PCB- 65ndyjamygte6kia jklb-1	CMP- fda93507aa51226e -3	1	
0.1uF	Cap	CAP CER 0.1UF 50V X7R 0603	C1, C2, C3, C4, C5, C6, C8, C10, C15, C16	PCB- mh1hg1fcsilnrg4qi8 ds6-1	CMP- 1af18d38ac64bc53f -4	10	
1uF	Yageo CC0603KRX7R7B8 104	0603 0.1 uF 16 V ± 10 % Tolerance X7R SMT Multilayer Ceramic Capacitor	C7, C9, C11, C17	0603C_B	CMP-123646-11	4	
2.2uF	Yageo CC0603KRX7R7B8 104	0603 0.1 uF 16 V ± 10 % Tolerance X7R SMT Multilayer Ceramic Capacitor	C12, C13	0603C_B	CMP-123646-11	2	
	Gameboy cartridge slot	Gameboy cartridge slot	CN1	PCB- uwgfbzbd52v1ko1 1221f-1	Gameboy cartridge slot-1	1	
	FCI 20021121- 00010C1LF	Conn Unshrouded Header HDR 10 POS 1.27mm Solder-SMD T/R	CN2	PCB- ch0b5fvy24ict2e1 x4e-1	CMP- cd60ecf2c091911 -2	1	
	FCI 10118194- 0001LF	Single Port 5 Contact Horizontal Micro B USB 2.0 Connector	CN3	PCB- edlm2od7brxgpj7 8b9fm-1	CMP- 2509ed477c75face -11	1	
	SBR80520LT3G	Schottky Power Rectifier; 2-Pin SOD-123; Pb-Free, Tape and Reel	D1, D2, D3, D4	ONSC-SOD-123-2- 425-04_V	CMP-822511-2, SBR80520LT3G-2, SBR80520LT3G-2, SBR80520LT3G-2	4	
	Bel Fuse OZCJ0005FF2E	PTC Resettable Fuse 0.05A(hold) 0.15A(trip) 60VDC 10A 0.4W 1 Ss 3.6Ohm SMD Solder Pad 3.5 X 1.8 X 0.85mm T/R	F1, F2	PCB- g6kbbgrf1j6f6hdc s2hx-1	Bel Fuse OZCJ0005FF2E-1	2	
	Tai Tech FCM1608KF- 601T03	Magnetic beads, 600R, 350mA, 0603, FCM1608KF- 601T03, Tai-tech	L1	PCB- roep9w497ffvgejiy 0y8-1	CMP- bcc17660c9806306 -2	1	
	Würth Elektronik 9774040243R	Spacer Material; Steel, Tin-Plated Mounting: SMT Series: WA-SMST Thread: D, M2	P1, P2, P3, P4	PCB- 6bnlw84ripo9jyz9 fp6-1	CMP- 48c4825e7a369703 -1	4	
	BC848BLT3G	General Purpose Transistor, NPN Silicon, 3-Pin SOT- 23, Pb-Free, Tape and Reel	Q1	ONSC-SOT-23-3- 318-08_V	CMP-860696-2	1	
	YAGEO RC0603JR- 0747RL	Res Thick Film 0603 47 Ohm 5% 0.1W(1/10W) 7100ppmV Molded SMD Paper T/R	R1	R0603_A	CMP- c8530329081a1794 -1	1 47	
	YAGEO RC0603JR- 07510RL	Res Thick Film 0603 47 Ohm 5% 0.1W(1/10W) 7100ppmV Molded SMD Paper T/R	R3, R5	R0603_A	CMP- c8530329081a1794 -1	2 510	
	YAGEO RC0603JR- 0710KL	Res Thick Film 0603 47 Ohm 5% 0.1W(1/10W) 7100ppmV Molded SMD Paper T/R	R4, R6, R7, R8, R9, R10, R11	R0603_A	CMP- c8530329081a1794 -1	7 10k	
	TestPad	TestPad	TP1, TP2, TP3, TP4, TP5, TP7, TP8, TP9, TP10, TP11, TP13, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP40, TP41, TP42, TP43, TP44, TP45, TP46, TP47, TP48, TP49, TP51, TP52, TP53, TP54, TP55, TP56, TP57, TP58, TP59, TP60, TP61, TP62, TP63, TP64, TP65, TP66, TP67, TP68, TP69, TP70, TP71, TP72, TP73, TP74, TP75, TP76, TP77, TP78, TP79, TP80, TP81, TP82, TP83, TP84, TP85, TP86, TP87, TP88, TP89	PCB- qqaworq3uifq0h8 koz5g-1	CMP- 822f97gjbv438nm ixg5-1	82	
	STM32F407VGT6	ARM Cortex-M4 32-bit MCU + FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 82 I/Os, 100-pin LQFP, -40 to 85 degC, Tray	U1	STM-LQFP100_N	STM32F407VGT6-4	1	
	TCR2EF33 3.3V pos. LDO SOT23-5	LDO Regulator Pos 3.3V 0.2A 5- Pin SOT-25	U2	PCB- vnad9jnmv6teh67i clax-1	CMP- a34c689ca3827c8b -1	1	
	Murata CSTNE8M0	Ceramic Resonator	Y1	CAMP3213X05M	CMP-9b4a57327c6d	1	



Title		
Size A4	Number	Revision
Date: 2019/05/02	Sheet of	
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