

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF/TH	0.1 uF ±10% 50V Ceramic Capacitor X7R Radial	C100, C200, C401, C601, C700, C707, C708	CAPH5	0.1UF/TH	7
10uF	CAP ALUM 10uF 20% 16V RADIAL	C201, C402, C602, C802	CAP10EL	10UF	4
2.2nF/TH	CAP FILM 2200PF 5% 63VDC RADIAL	C701, C702, C704, C705	CAPH5	2.2nF/TH	4
10uF_NP	CAP ALUM 10uF 20% 35V RADIAL	C703, C706, C801, C803	CAP10EL	10UF_NP	4
680pF/TH	CAP FILM 680PF 10% 100VDC RAD	C800	WIMIA_BOX2.7X4.5	680pF/TH	1
BAT42	DIODE SCHOTTKY 30V 200MA D035	D101, D1200, D1201, D1202, D1203	DO-35	BAT42	5
SB260_R2_00001	DIODE SCHOTTKY 60V 2A D015	D401, D501	DO-15	SB260_R2_00001	2
RCJ-014Y	3.20mm ID, 9.00mm OD (RCA) Phono (RCA) Jack Mono Connector Solder	J11	RCJ-01X	RCJ-014Y	1
PJ037B	Power Barrel Connector Jack 2.50mm ID (0.098"), 5.50mm OD (0.217") Through Hole, Right Angle	J103	PJ037B	PJ037B	1
SDCARD_2	Micro SD card module	J403	SDMODULE1	SDCARD_2	1
STX-3000	3.50mm (0.141", 1/8", Mini Plug) - Headphone Phone Jack Stereo (3 Conductor, TRS) Connector Kinked Pin	J701	STX-3000	STX-3000	1
STX-3120	3.50mm (0.141", 1/8", Mini Plug) - Headphone Phone Jack Mono Connector Kinked Pin	J702, J703	STX-3120	STX-3120	2
SIP3		J1001, J1002, P300, P501, P801	SIP3	SIP3	5
120/1%	RES 120 OHM 1% 1/4W AXIAL	JR800, JR801, JR802, JR803, JR804, JR805, JR806, JR807, JR900, JR901, JR902, JR903, JR904, JR905, JR906, JR907, R1009, R1010, R1200, R1201	RNF14	120/1%	20
4K7SIP	4.7k Ohm ±2% 200mW Power Per Element Bussed Resistor Network/Array ±100ppm/°C 9-SIP	JRP801, JRP901	SIP9	4K7SIP	2
OPENHW_PCB		OH0	OpenHW	OPENHW_PCB	1
OPENHW_SCH	9 Position D-Sub Plug, Male Pins RA TH Connector	OH1		OPENHW_SCH	1
DB9MRA	CONN DSUB HD RCPT 15POS R/A SLDR	P8, P9	DB9MRA	DB9MRA	2
HD15		P10	DB15FLC	HD15	1
HDR2		P100, P101, P901, P902, P903	HDR2	HDR2	5
SIP4		P402, P502, P1200	SIP4	SIP4	3
22-23-2021	CONN HEADER VERT 100 2POS 30AU	P802	22-23-2021	22-23-2021	1
HDR10SHR	Connector Header Through Hole 10 position 0.100" (2.54mm)	P1000	HDR10	HDR10SHR	1
2N3904	TRANS NPN 40V 0.2A TO92	Q700	TO92	2N3904	1
100k/5%	RES 100K OHM 5% 1/8W AXIAL	R101, R702, R705, R709, R711, R713, R803	CF18	100k/5%	7
10k/5%	RES 10K OHM 5% 1/BW AXIAL	R200, R201, R202, R206, R710, R801, R802	CF18	10k/5%	7
4K7/5%	RES 4.7K OHM 5% 1/BW AXIAL	R708	CF18	4K7/5%	5
1k00/1%	RES 1K OHM 1% 1/4W AXIAL	R1001, R1004, R1007, R1101	RNF14	1k00/1%	8
1k27/1%	RES 1.27K OHM 1% 1/4W AXIAL	R701, R704	RNF14	1k27/1%	2
499/1%	RES 499 OHM 1% 1/4W AXIAL	R1000, R1003, R1006, R1100	RNF14	499/1%	4
2k00/1%	RES 2K OHM 1% 1/4W AXIAL	R1002, R1005, R1008, R1102, R1103, R1104, R1202, R1203	RNF14	2k00/1%	8
JTP1230A	Tactile Switch SPST-NO Top Actuated Through Hole	SW100	TACSW_6.5x4.5	JTP1230A	1
AS6C4008-55PCN	SRAM - Asynchronous Memory IC 4Mb (512k x 8) Parallel 55 ns 32-DIP	U1	DIP32	AS6C4008-55PCN	1
FLASH8MBIT	IC FLASH 8MBIT SPI/QUAD 8SOIC	U2	SO-BWM	FLASH8MBIT	1
AT24C16C	IC EEPROM 16KBIT I2C 1MHZ 8DIP	U3	DIP8	AT24C16C	1
RPI_PICO	RASPBERRY PI PICO RP2040 BOARD	U5, U9	RPIPICO	RPI_PICO	2
RTC3013	DS3231 Real Time Clock (RTC) Timing Evaluation Board	U6	RTC3013	RTC3013	1
MCP4822	IC DAC 12BIT V-OUT 8DIP	U7	DIP8	MCP4822	1
AF2130	2.5W CLASS D AUDIO AMPLIFIER	U8	AF2130	AF2130	1
T20FPGAModule_V2		U100	T20FPGA-V2	T20FPGAModule_V2	1

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A

A

U_fpgaTop
fpgaTop.SchDoc



U_JoyVid
JoyVid.SchDoc



U_PS2
PS2.SchDoc



B

B

U_Memory
Memory.SchDoc



U_MassStorage
MassStorage.SchDoc



U_picoW
picoW.SchDoc



U_Audio
Audio.SchDoc



C

C

PCB Icons



Title TS2068+ Top		
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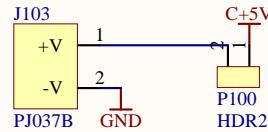
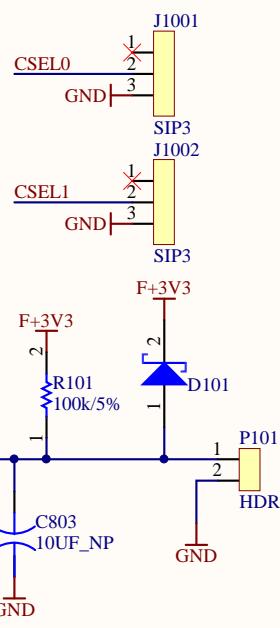
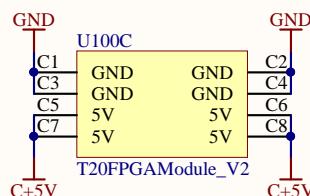
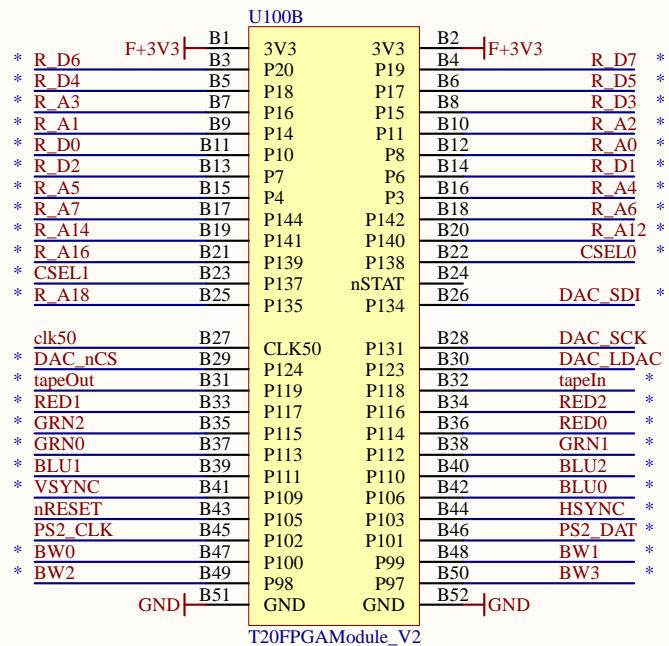
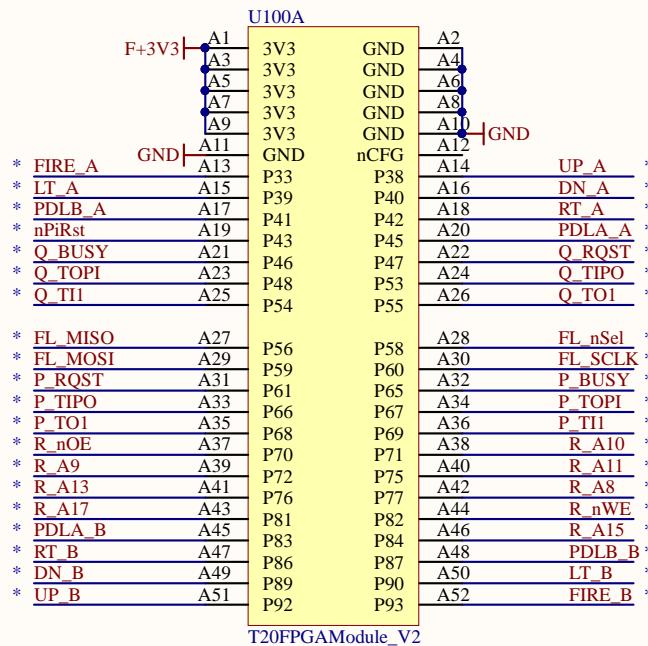
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Title
FPGA Top Level

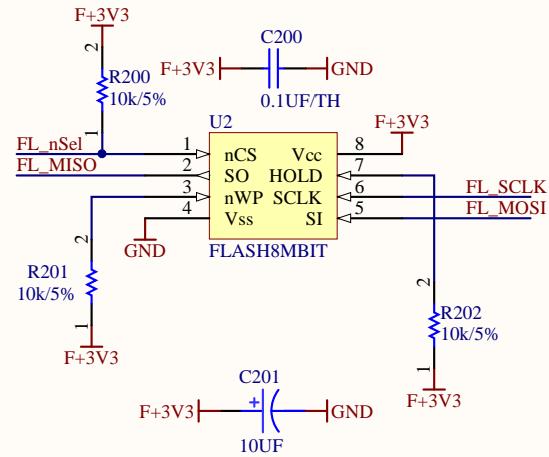
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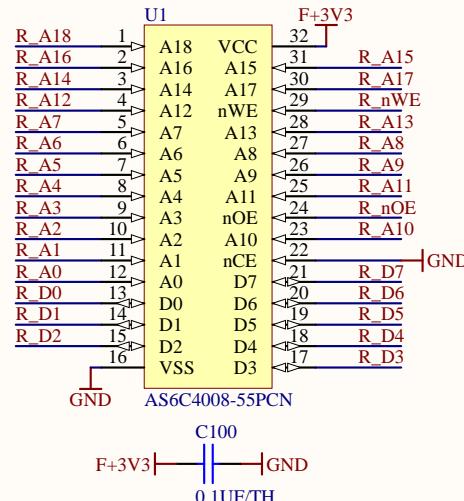
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FLASH



SRAM



B

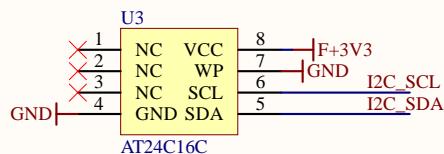
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Title
Memory

Size
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Revision

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Sheet 3 of 7

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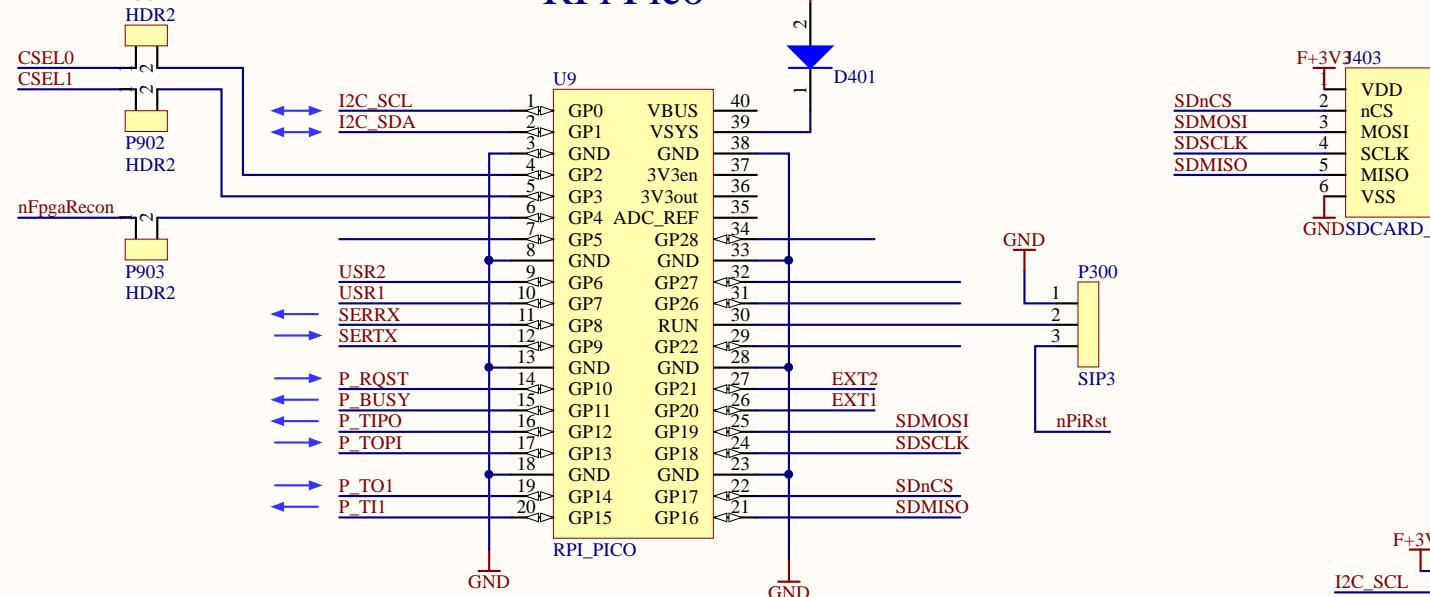
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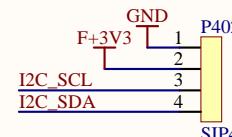
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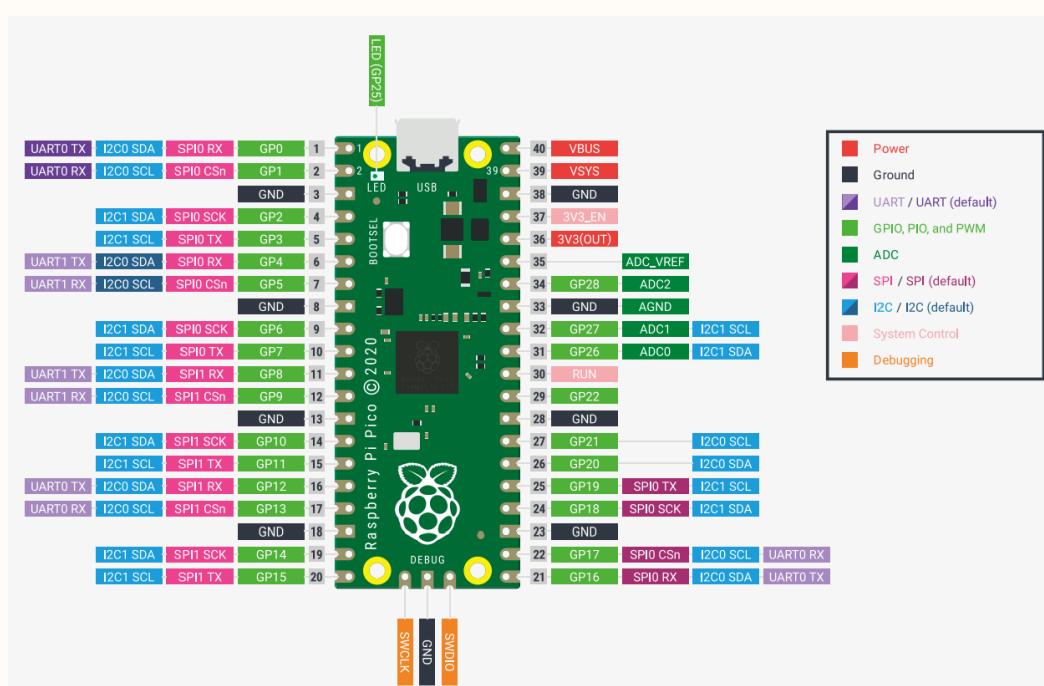
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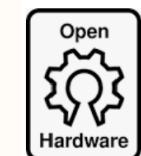
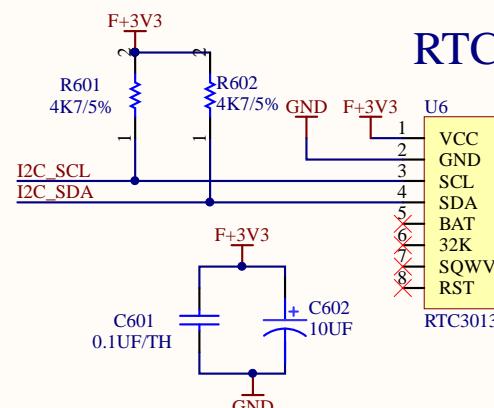
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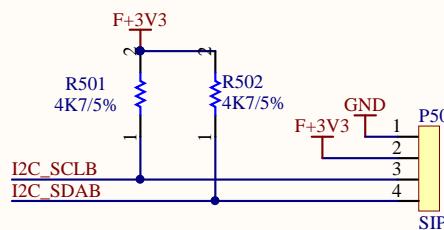
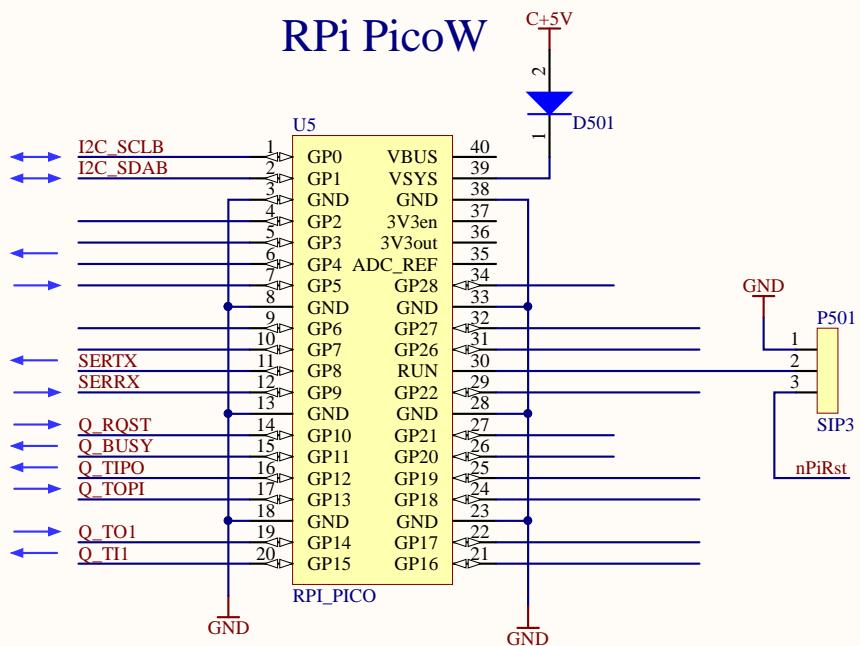
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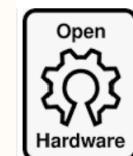
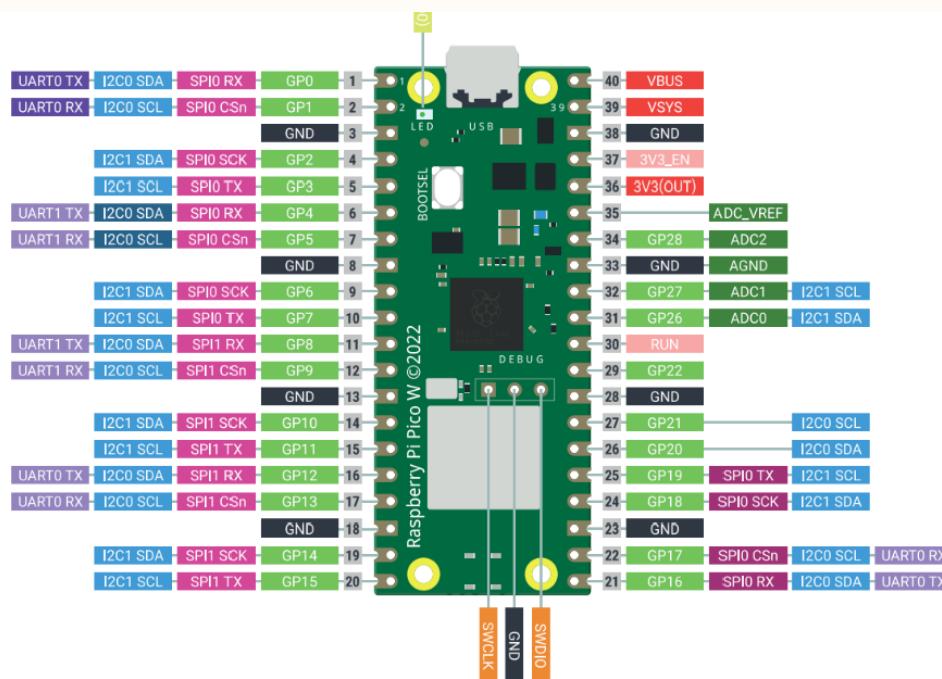
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RPi PicoW

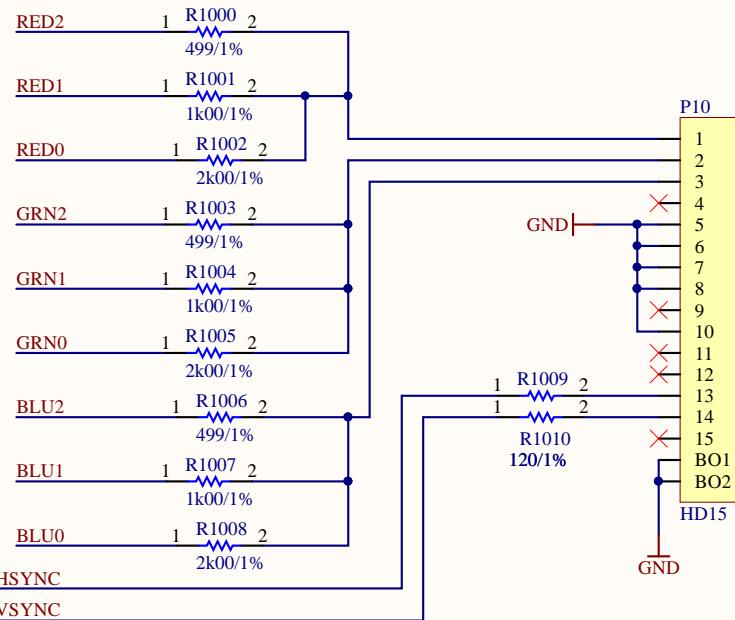
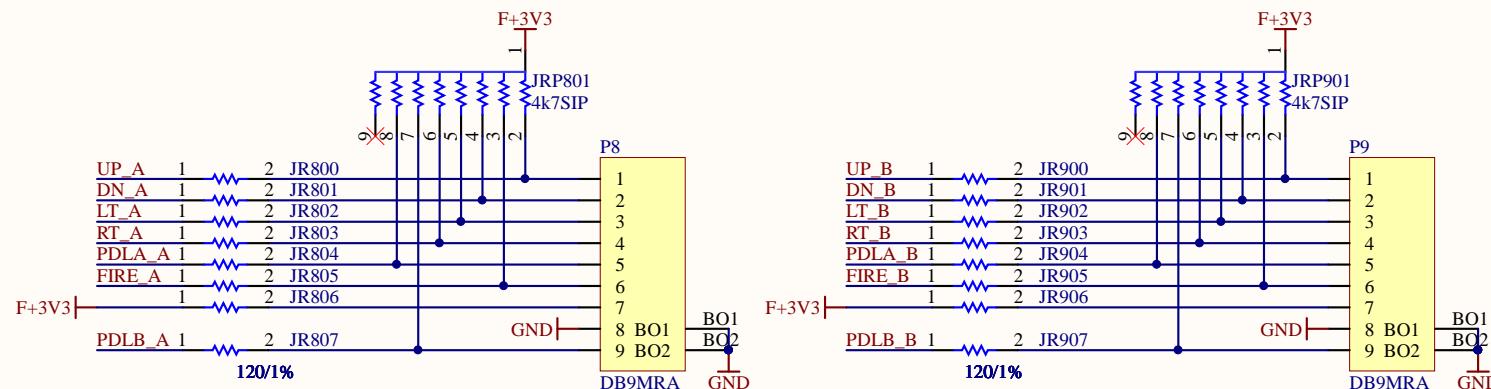


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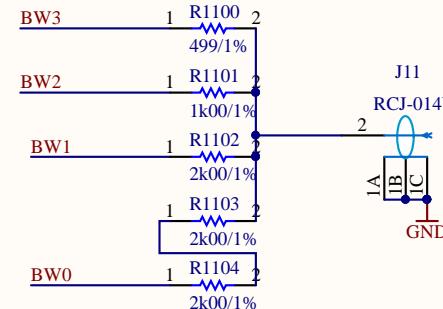


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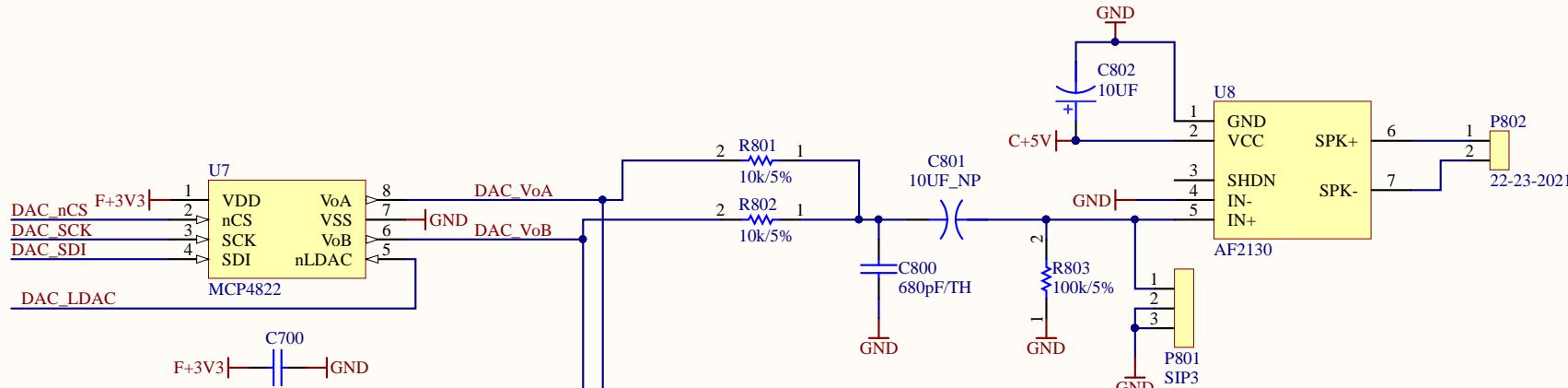
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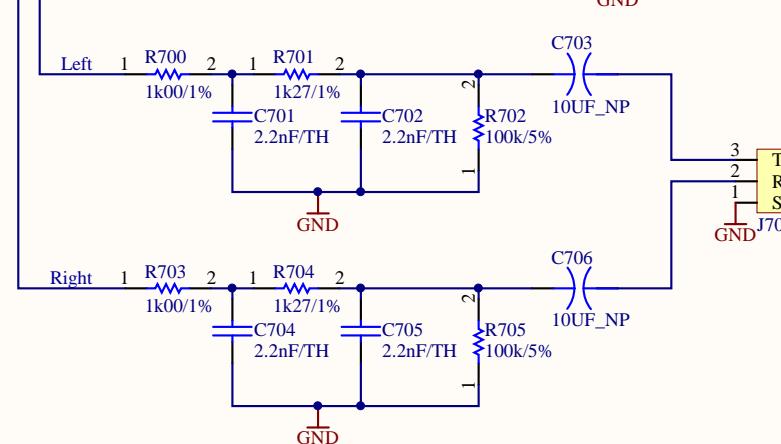
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VGA and Joysticks

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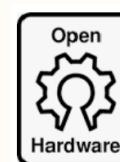
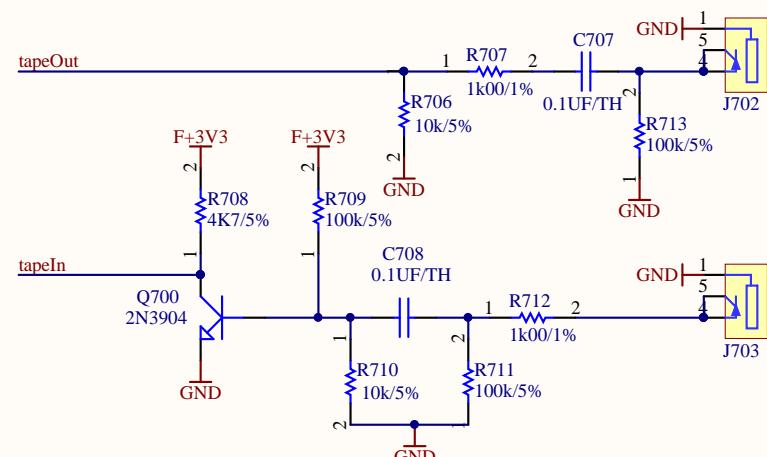
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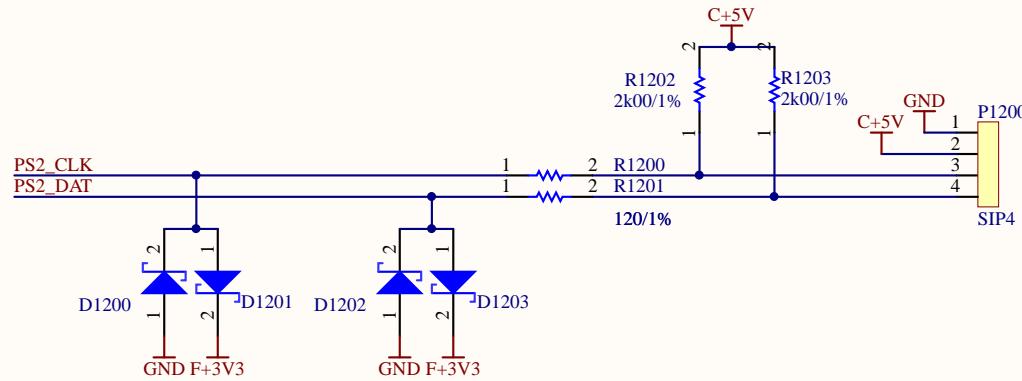


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Title		
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