

Comment	Description	Designator	Footprint	LibRef	MFG PN	DK PN	Quantity
0.1UF/TH	0.1 μ F \pm 10% 50V Ceramic Capacitor X7R Radial	C1, C3, C4, C5, C6, C7, C8, C10, C13, C15	CAPH5	0.1UF/TH	K104K10X7RF5UH5	BC2665CT-ND	10
10UF	CAP ALUM 10UF 20% 16V RADIAL	C2, C16	CAP10EL	10UF	ECE-A1CKA100	P807-ND	2
SB260_R2_00001	DIODE SCHOTTKY 60V 2A DO15	D2	DO-15	SB260_R2_00001	SB260_R2_00001	3757-SB260_R2_00001CT-ND	1
HDR2		JP1, JP2, P10	HDR2	HDR2			3
SIP3		JP4	SIP3	SIP3			1
OPENHW_PCB		OH0	OpenHW	OPENHW_PCB			1
OPENHW_SCH		OH1		OPENHW_SCH			1
TS2068		P1	TS2068A	TS2068			1
BC639	Bipolar (BJT) Transistor NPN 80 V 1 A 200MHz 625 mW Through Hole TO-92 (TO-226)	Q1	TO92	BC639	BC639		1
4K7/5%	RES 4.7K OHM 5% 1/8W AXIAL	R1, R2, R5, R6	CF18	4K7/5%	CF18JT4K70	CF18JT4K7 OCT-ND	4
2K7/5%	RES 2.7K OHM 5% 1/8W AXIAL	R3	CF18	2K7/5%	CF18JT2K70	CF18JT2K7 OCT-ND	1
JTP1230A	Tactile Switch SPST-NO Top Actuated Through Hole	SW1, SW2	TACSW_6.5x4.5	JTP1230A	JTP1230A	679-2429-ND	2
SN74LS04N	Inverter IC 6 Channel 14-PDIP	U1	dip14	SN74LS04N	SN74LS04N	296-1629-5-ND	1
RPI_PICO	RASPBERRY PI PICO RP2040 BOARD	U2	RPIPICO	RPI_PICO	SC0915	2648-SC0915CT-ND	1
SDCARD_2	Micro SD card module	U3	SDMODULE1_FLI_PPED	SDCARD_2	2041021-4	A101492C T-ND	1
SN74LS32N	IC GATE OR 4CH 2-INP 14DIP	U4	dip14	SN74LS32N	SN74LS32N	296-1658-5-ND	1
SN74LS27N	NOR Gate IC 3 Channel 14-PDIP	U5	dip14	SN74LS27N	SN74LS27N	296-14890-5-ND	1
SN74LVC245AN	Transceiver, Non-Inverting 1 Element 8 Bit per Element 3-State Output 20-PDIP	U6, U7	DIP20	SN74LVC245AN	SN74LVC245AN	296-8503-5-ND	2
SN74LS157N	IC MULTIPLEXER 4 X 2:1 16DIP	U8	DIP16	SN74LS157N	SN74LS157N	296-1645-5-ND	1
SST39SF040-70	FLASH Memory IC 4Mbit Parallel 70 ns 32-PDIP	U10	DIP32	SST39SF040-70	SST39SF040-70-4C-PHE	SST39SF040-70-4C-PHE-ND	1
AS6C4008-55PCN	SRAM - Asynchron	U13	DIP32	AS6C4008-55PCN	AS6C4008-55PCN	1450-1027-	1

U_Logic
Logic.schdoc

U_Pico
Pico.SchDoc

U_Memory
Memory.SchDoc

U_ts2068Interface
ts2068Interface.SchDoc

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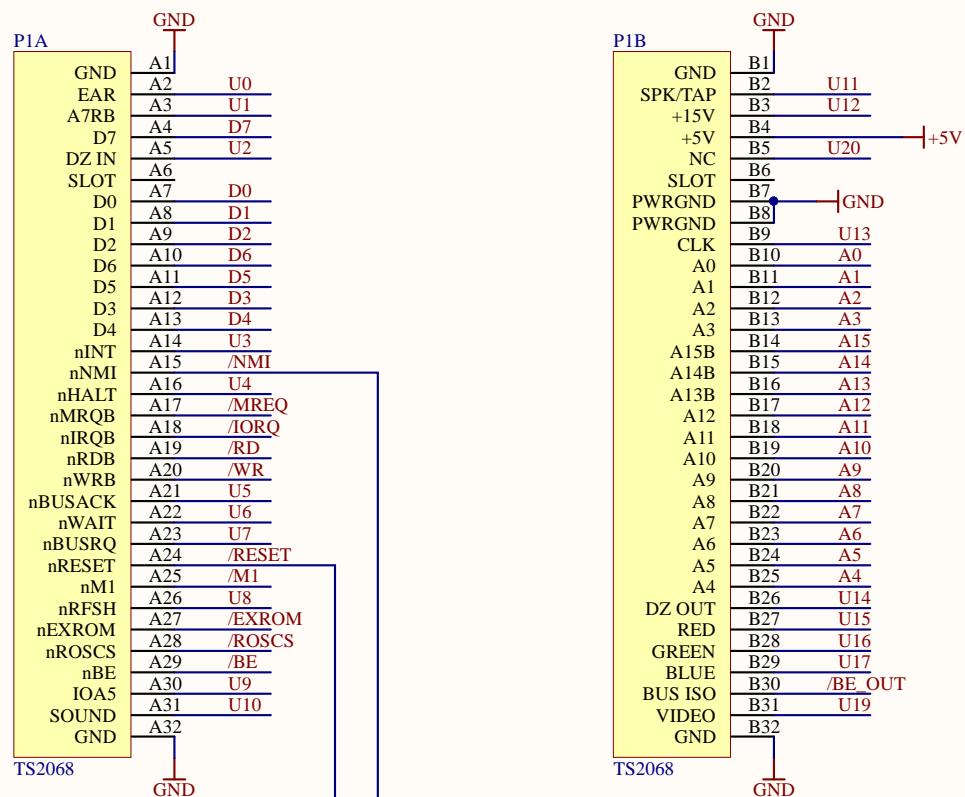
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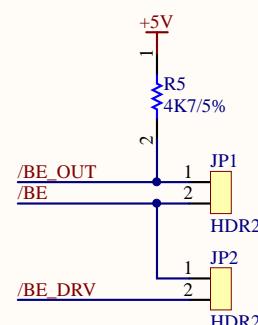


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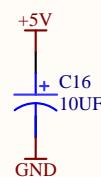
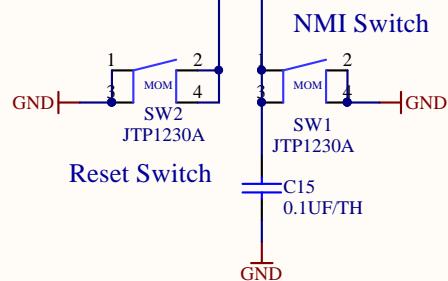
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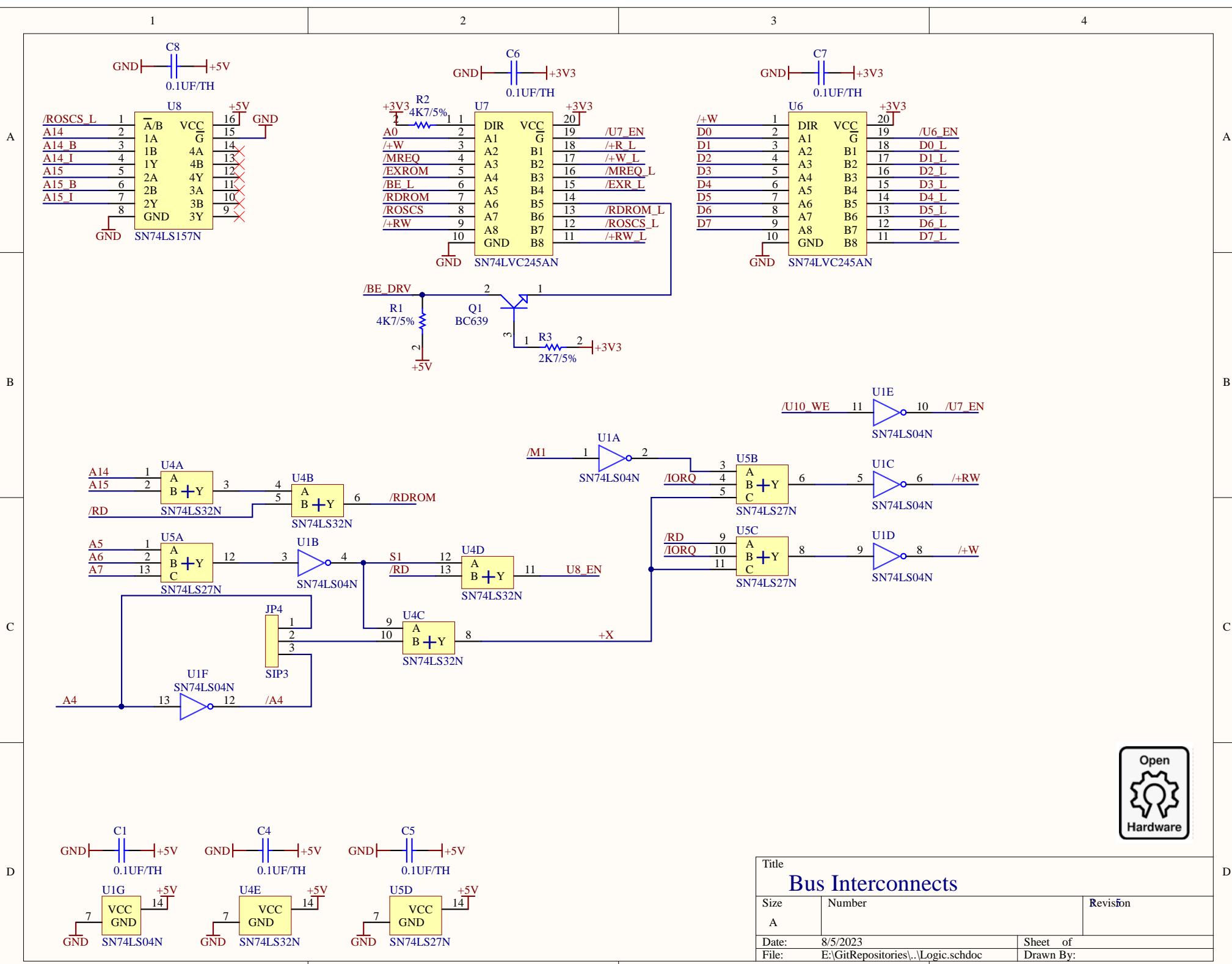


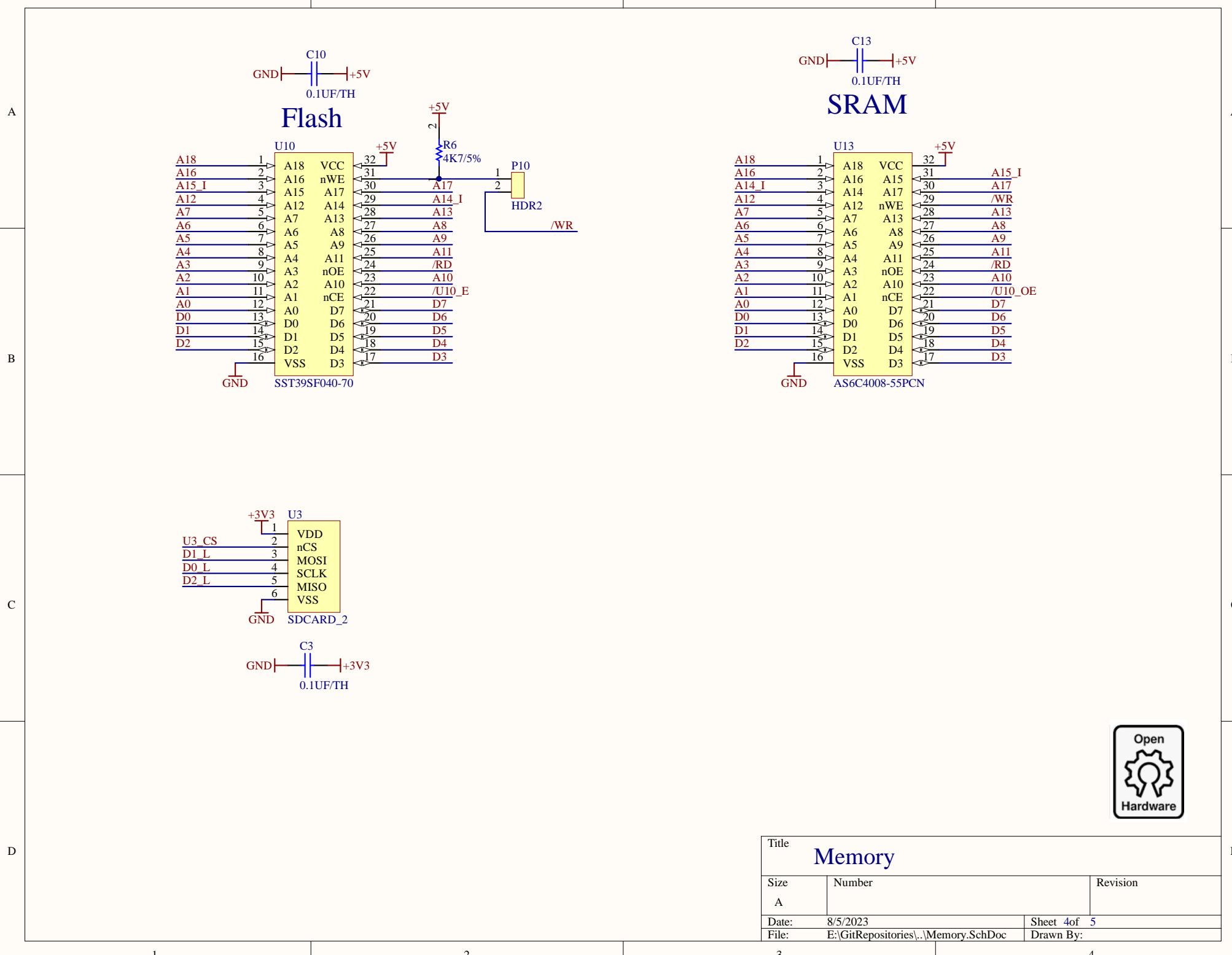
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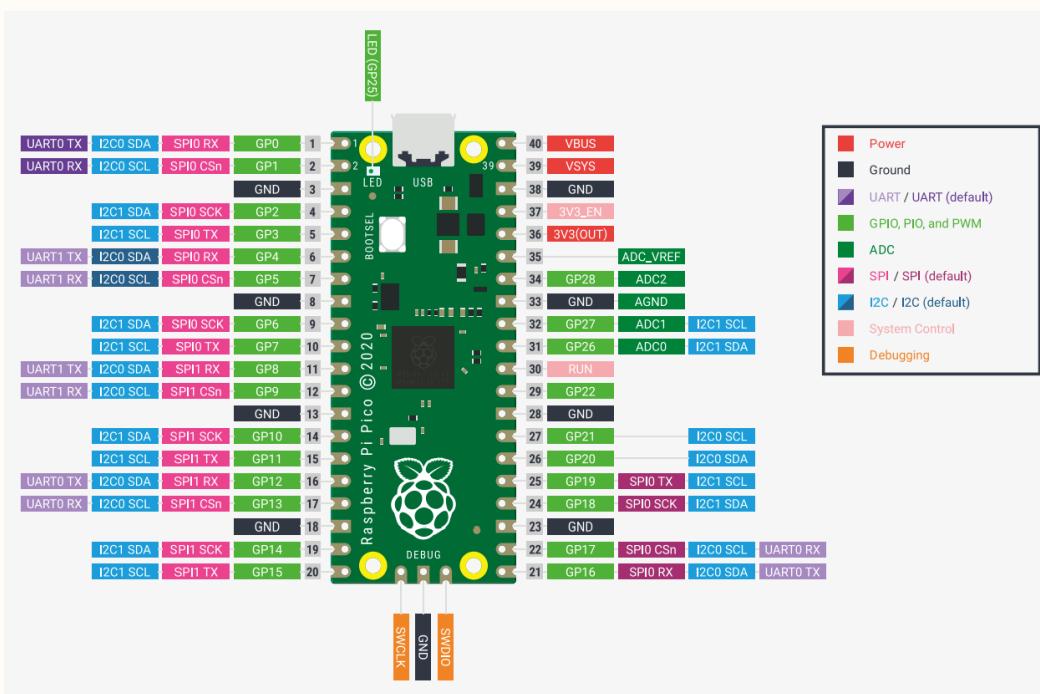
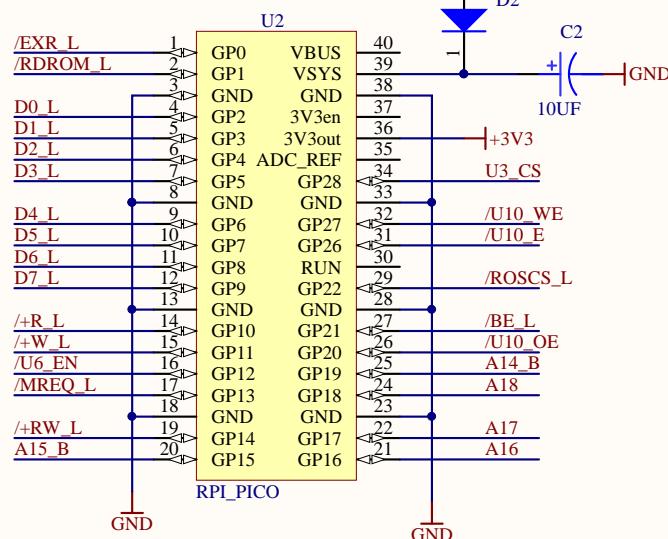


TS2068 Connector

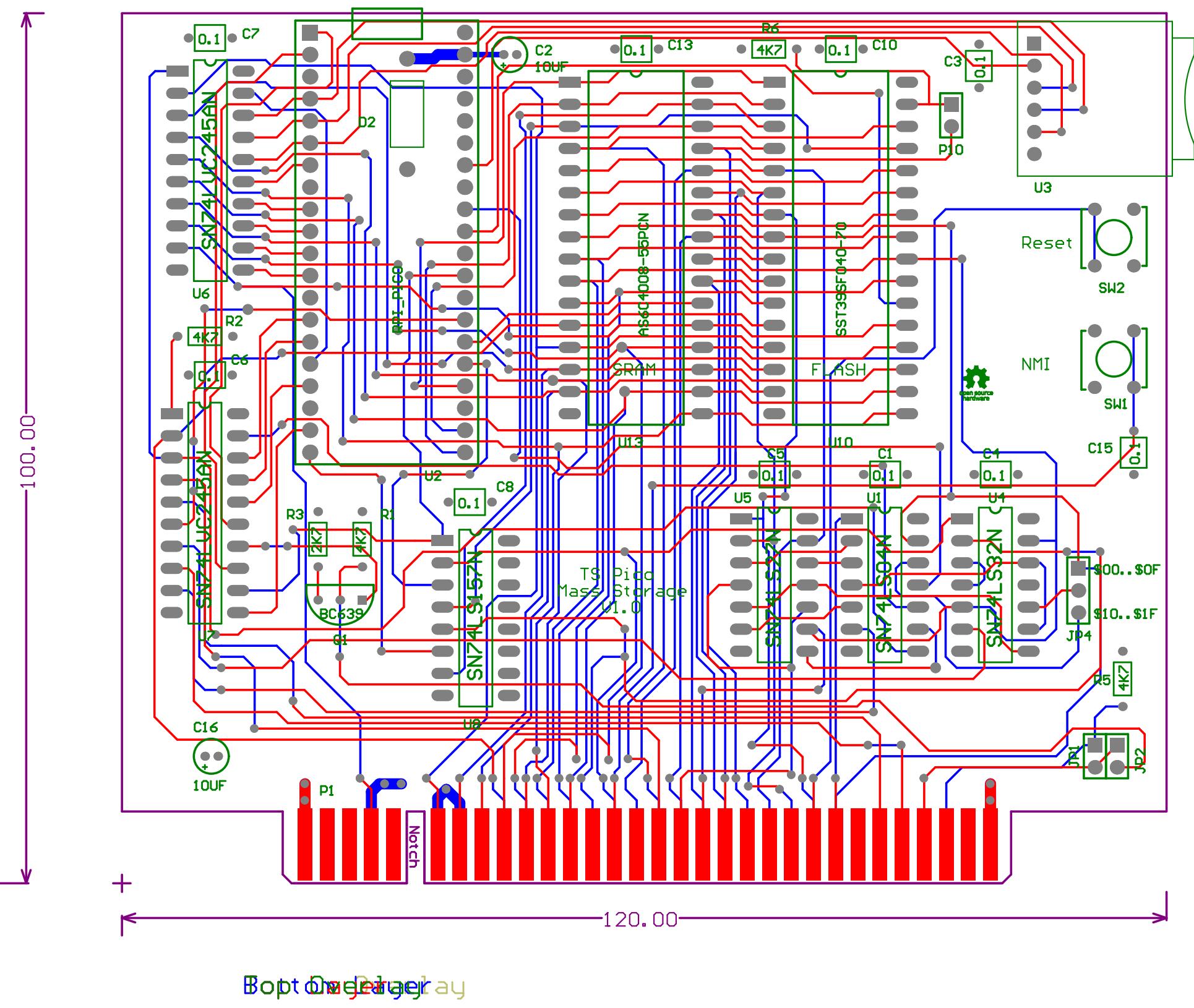
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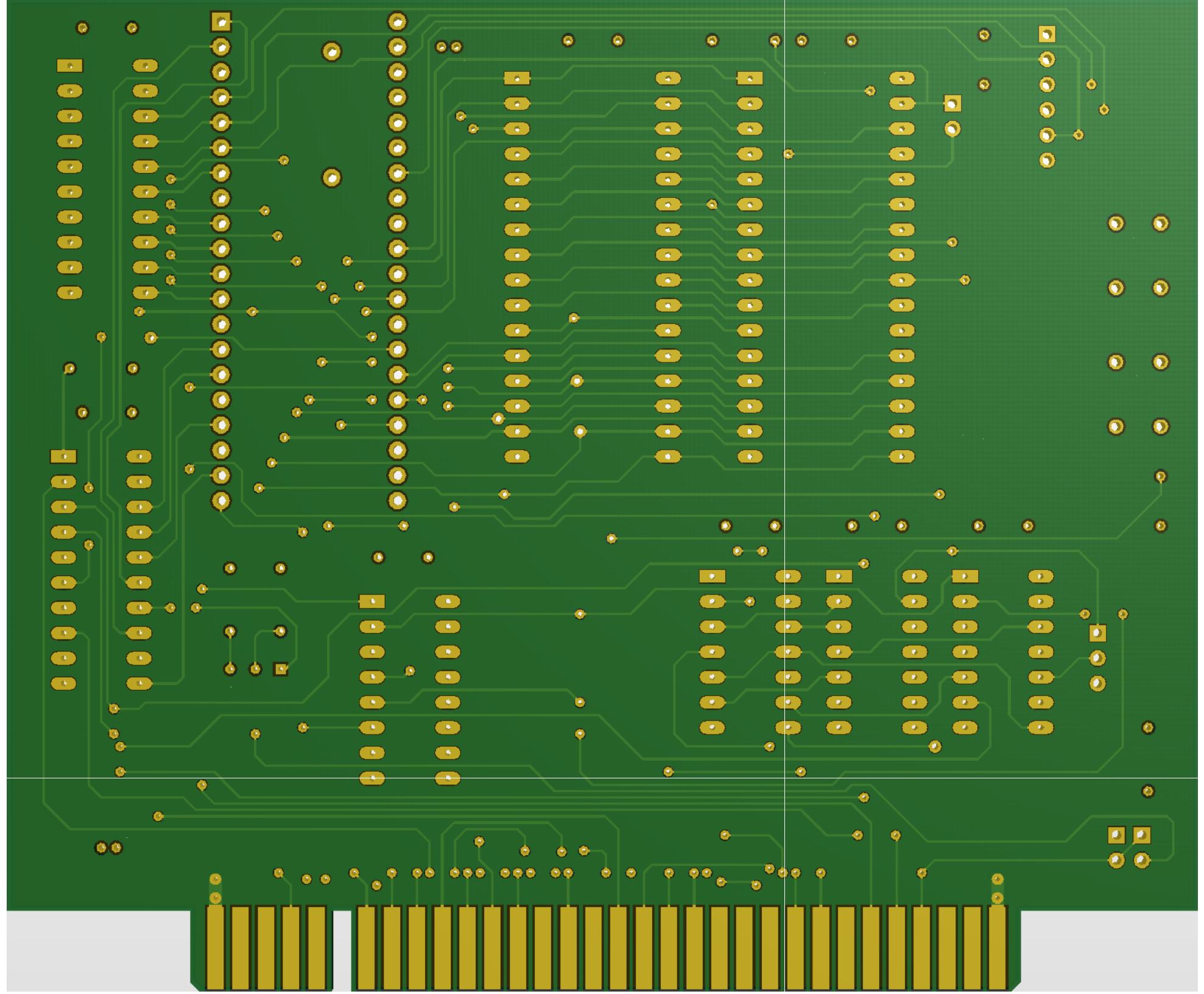


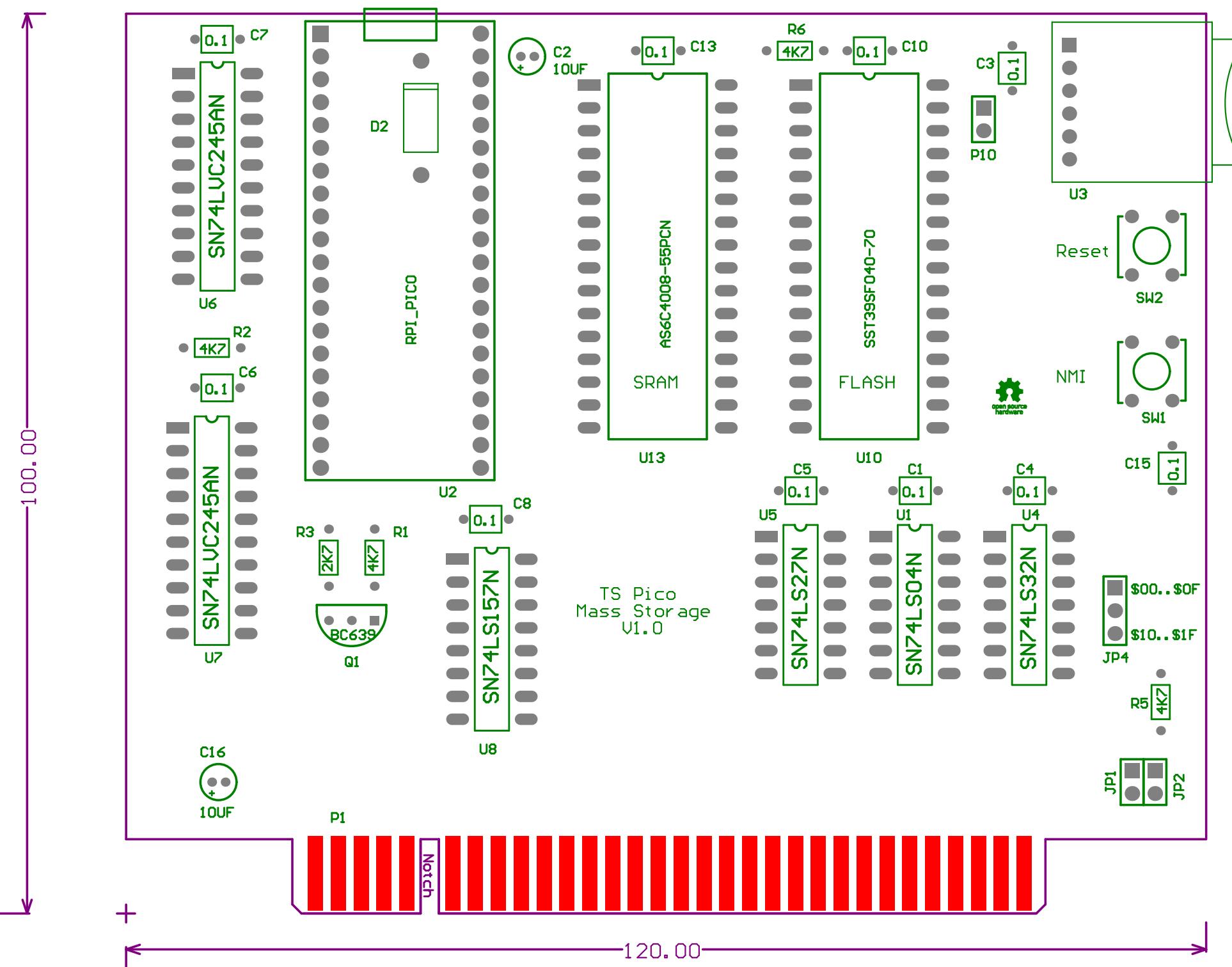




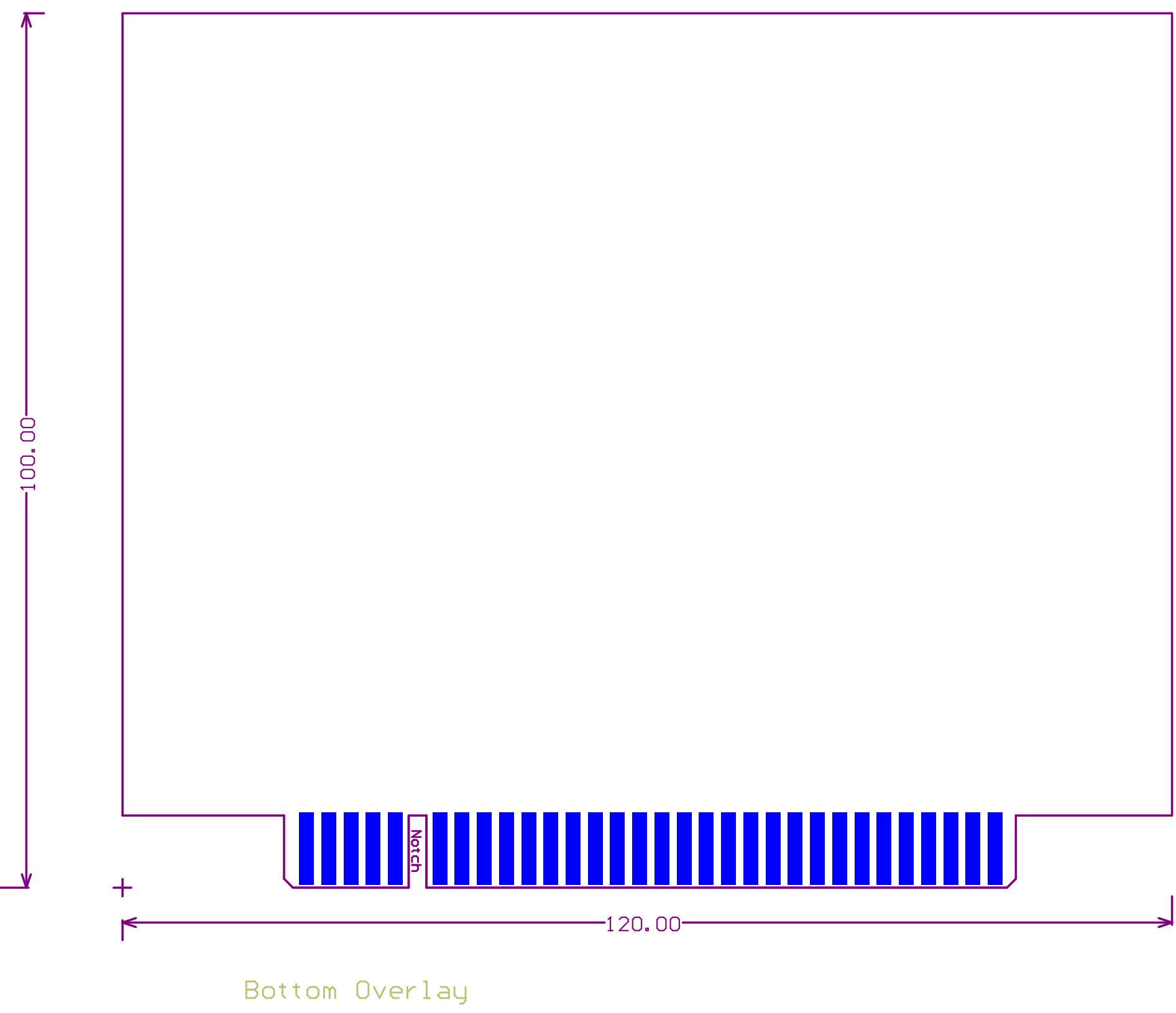
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Comment	Description	Designator	MFG	MFG PN	Quantity
AS6C4008-55PCN	SRAM - Asynchronous Memory IC 4Mb (512K x 8) Parallel 55 ns 32-DIP	U13	Alliance Memory, Inc.	AS6C4008-55PCN	1
SST39SF040-70	FLASH Memory IC 4Mbit Parallel 70 ns 32-PDIP	U10	Microchip	SST39SF040-70-4C-PHE	1
SN74LS157N	IC MULTIPLEXER 4 X 2:1 16DIP	U8	TI	SN74LS157N	1
SN74LVC245AN	Transceiver, Non-Inverting 1 Element 8 Bit per Element 3-State Output 20-PDIP	U6, U7	TI	SN74LVC245AN	2
SN74LS27N	NOR Gate IC 3 Channel 14-PDIP	U5	TI	SN74LS27N	1
SN74LS32N	IC GATE OR 4CH 2-INP 14DIP	U4	TI	SN74LS32N	1
SDCARD_2	Micro SD card module	U3	TE	2041021-4	1
RPI_PICO	RASPBERRYPI PICO RP2040 BOARD	U2	Raspberry Pi	SC0915	1
SN74LS04N	Inverter IC 6 Channel 14-PDIP	U1	TI	SN74LS04N	1
JTP1230A	Tactile Switch SPST-NO Top Actuated Through Hole	SW1, SW2	Apem	JTP1230A	2
2K7/5%	RES 2.7K OHM 5% 1/8W AXIAL	R3	Stackpole	CF18JT2K70	1
4K7/5%	RES 4.7K OHM 5% 1/8W AXIAL	R1, R2, R5, R6	Stackpole	CF18JT4K70	4
BC639	Bipolar (BJT) Transistor NPN 80 V 1 A 200MHz 625 mW Through Hole TO-92 (TO-226)	Q1	Infineon	BC639	1
TS2068		P1			1
OPENHW_SCH		OH1			1
OPENHW_PCB		OH0			1
SIP3		JP4			1
HDR2		JP1, JP2, P10			3
SB260_R2_00001	DIODE SCHOTTKY 60V 2A DO15	D2	Panjit	SB260_R2_00001	1
10UF	CAP ALUM 10UF 20% 16V RADIAL	C2, C16	Panasonic	ECE-A1CKA100	2
0.1UF/TH	0.1 µF ±10% 50V C6	C1, C3, C4, C5, C6, C7	Vishay	K104K10X7RF5UH5	10

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U_Pico
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U_Memory
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U_ts2068Interface
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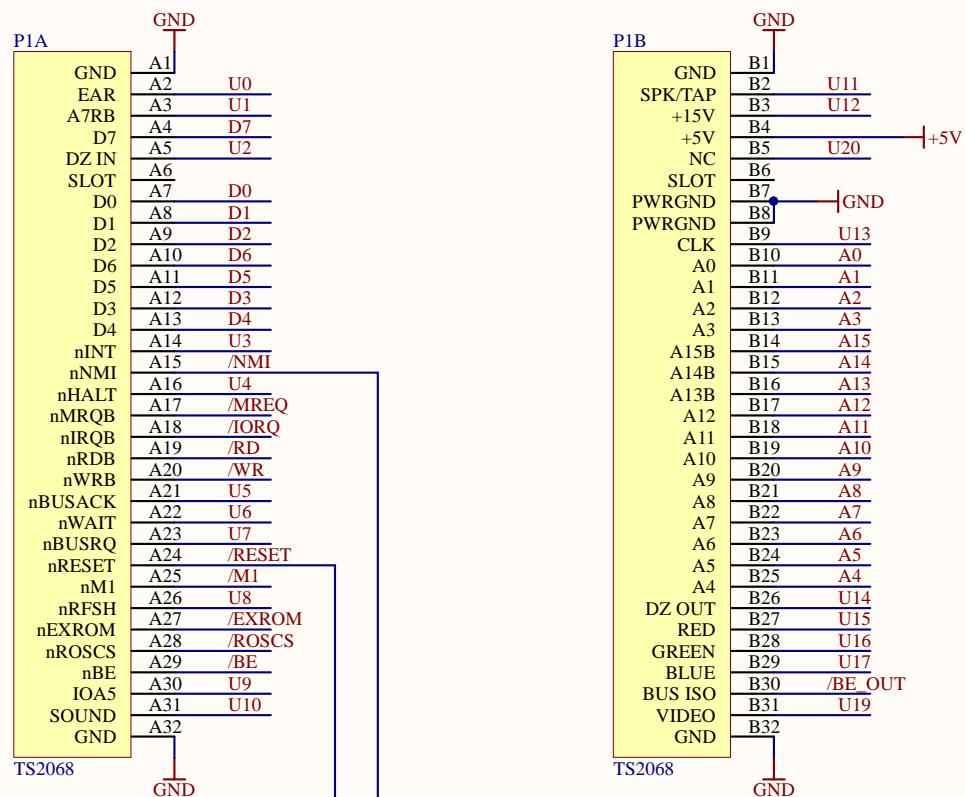
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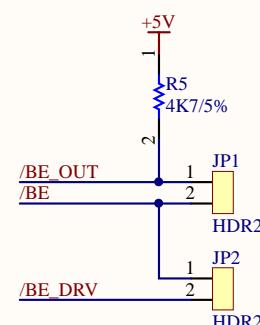


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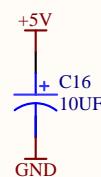
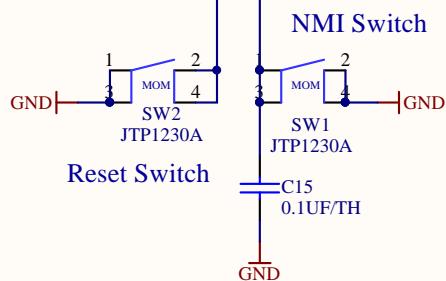
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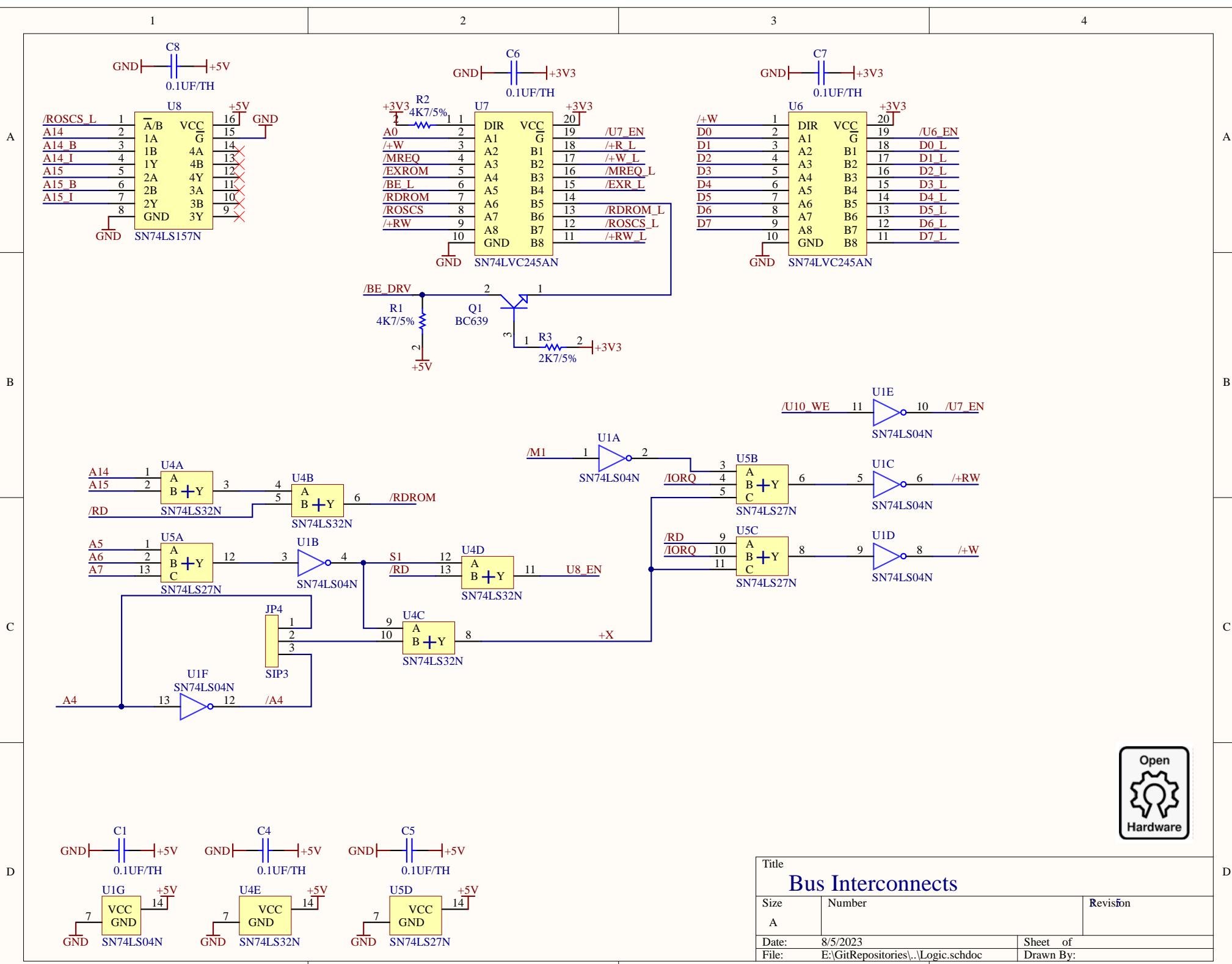


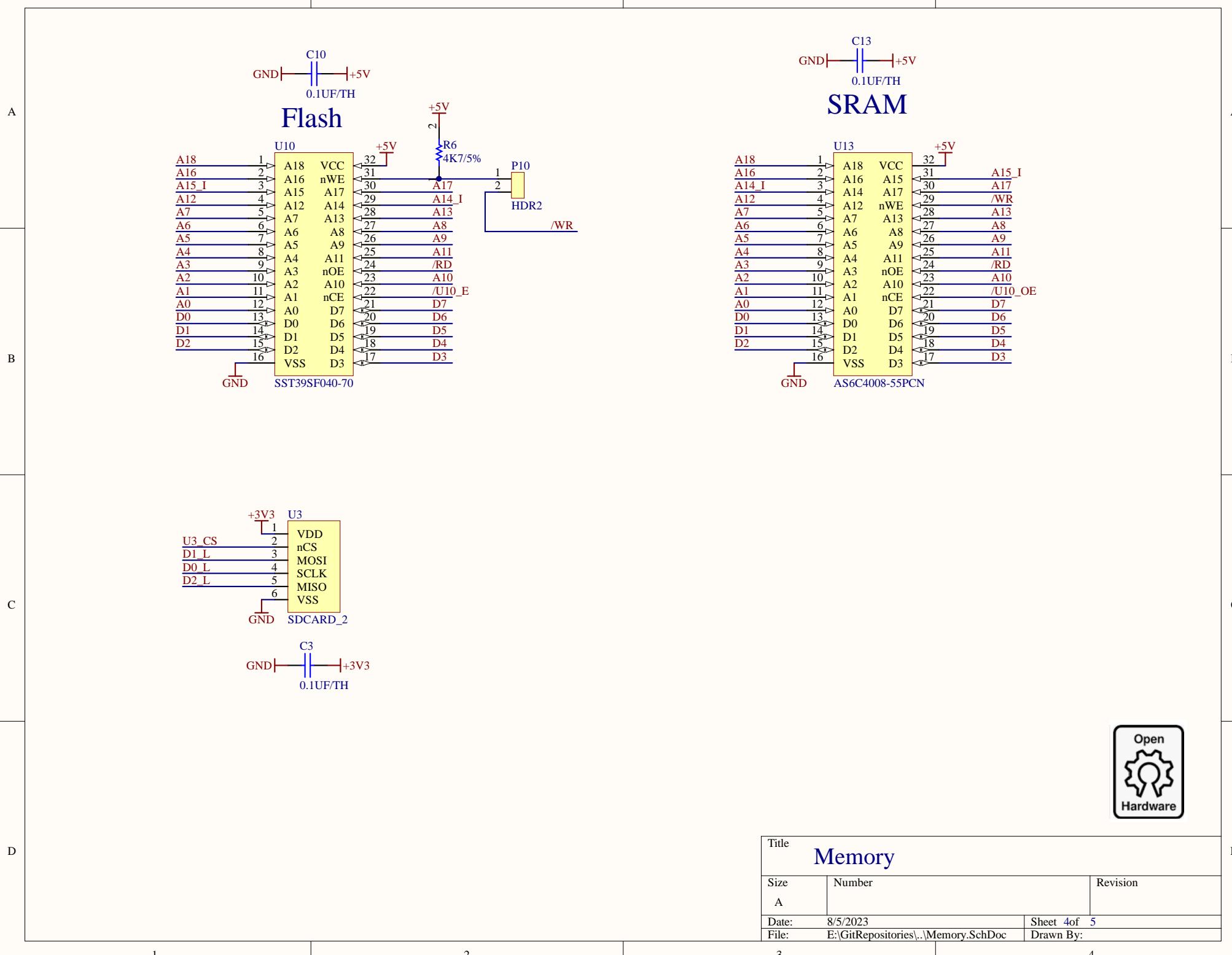
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TS2068 Connector

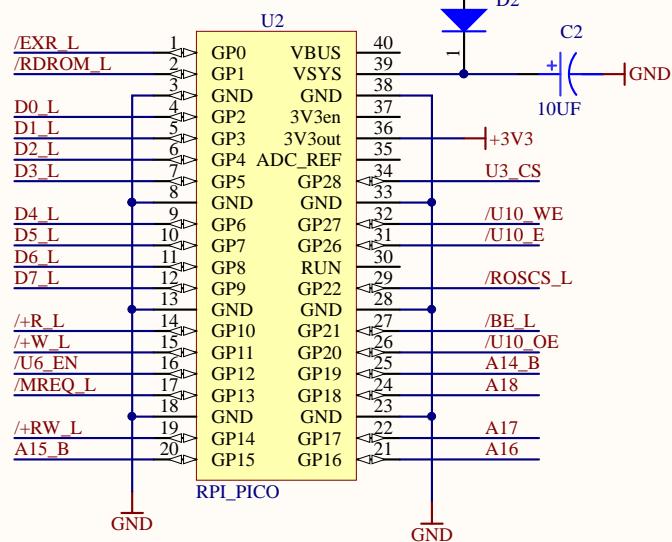
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RPi Pico



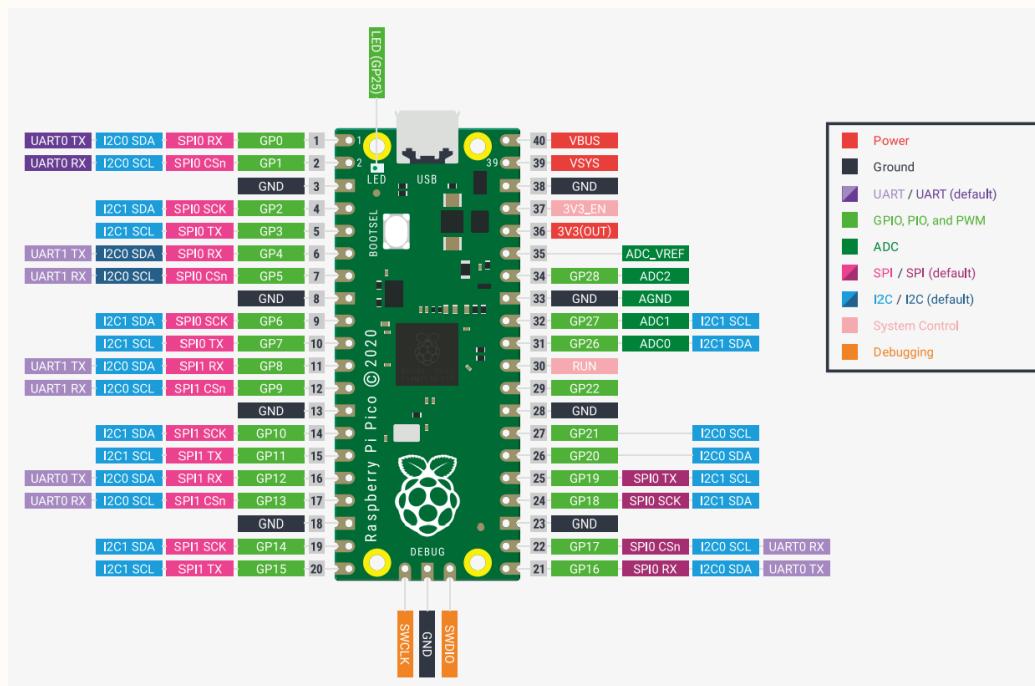
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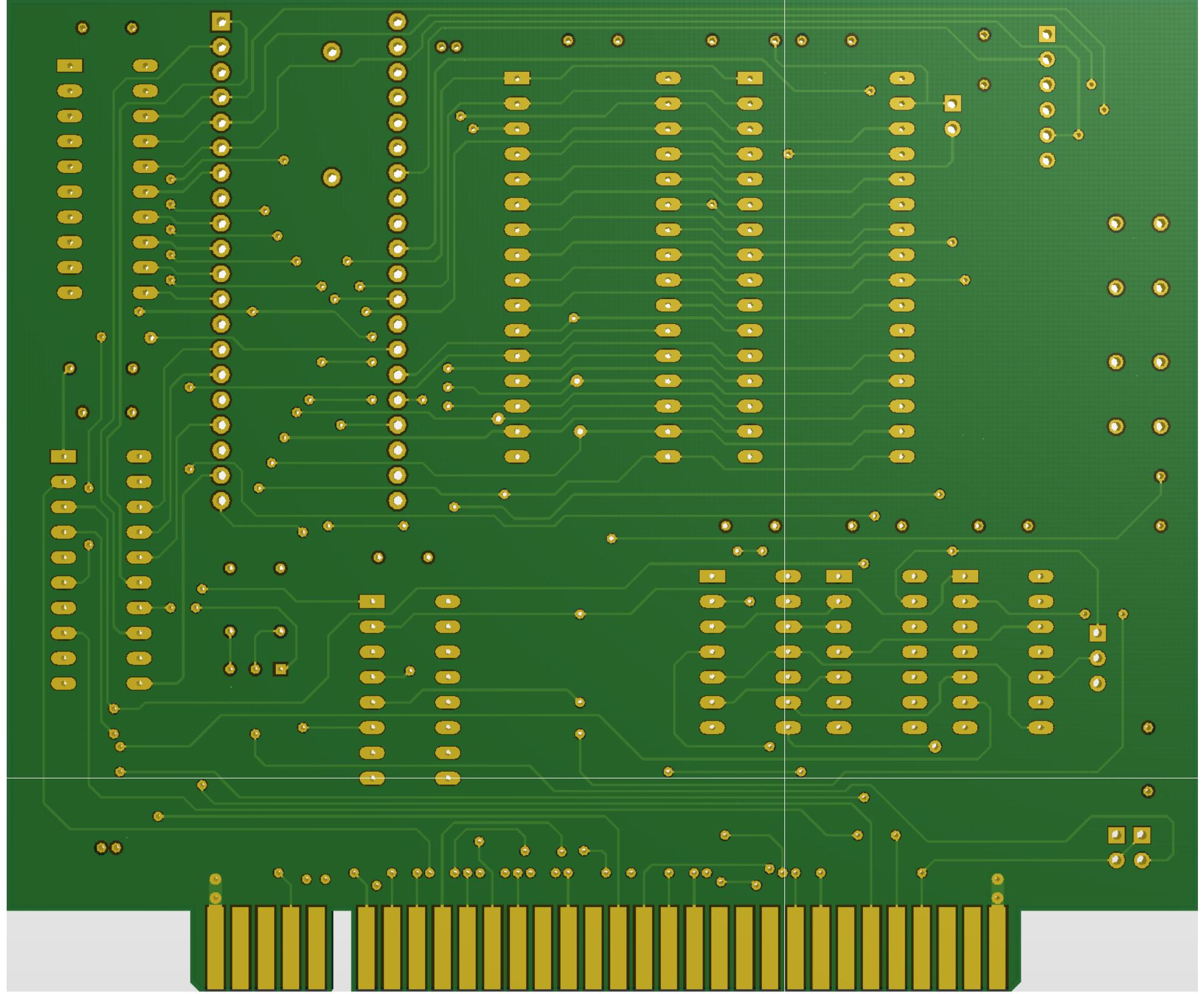
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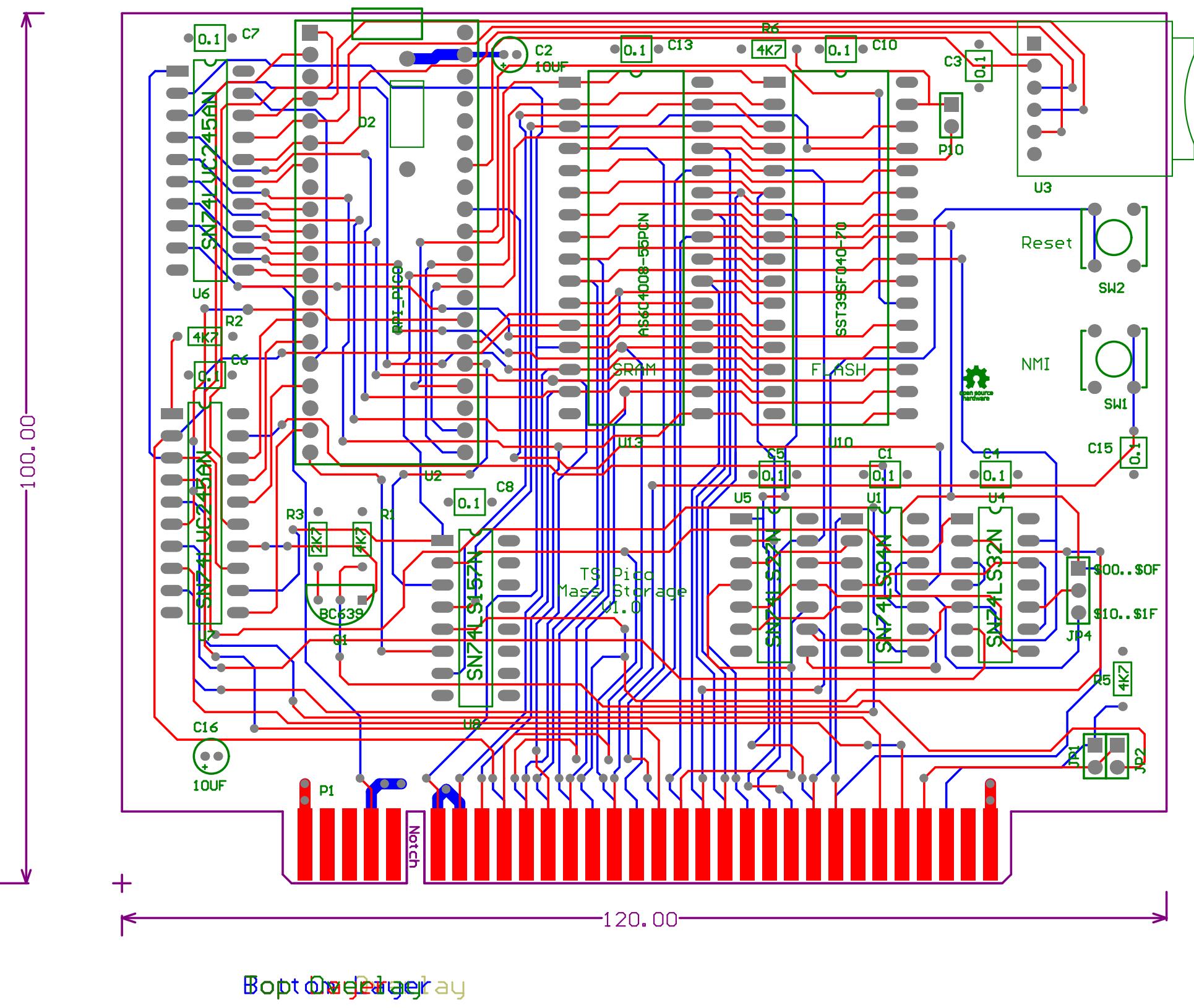
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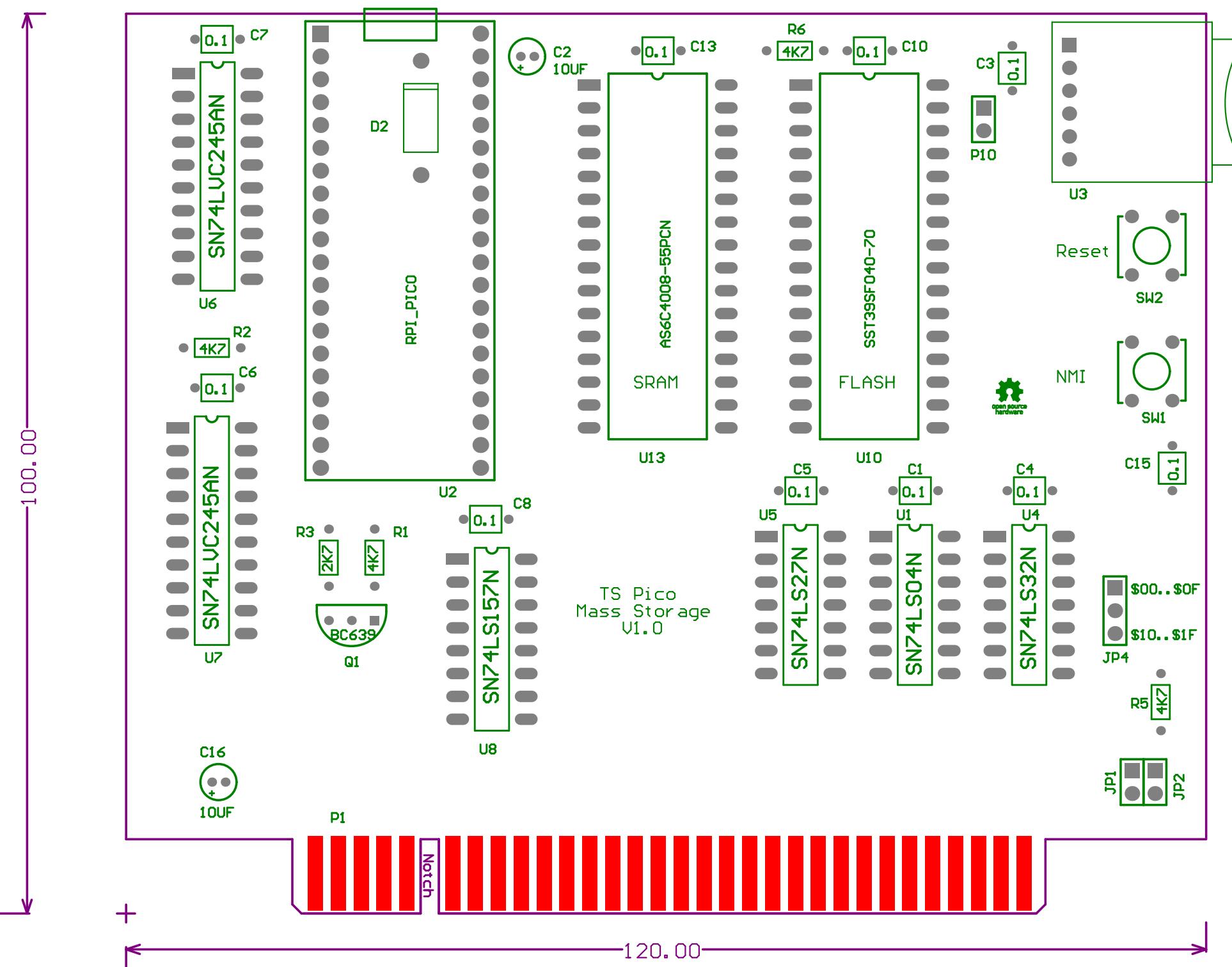


Title
Raspberry Pi

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