

Component Count:		CoPicoVision/design-files/CoPicoVision.kicad_sch					
Collated Components:							
Item	Qty	Reference(s)	Value	LibPart	Footprint	Mouser	
1	20	C101, C103, C104, C108, C201, C202, C203, C204, C205, C206, C301, C302, C401, C402, C403, C406, C409, C501, C505, C506	0.1µF	Device:C_Small	Capacitor_SMD-C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	81-RCER71E104K0A2HQB	
2	2	C102, C105	100µF	Device:C_Polarized_Small	Capacitor_THTTCP_Radial_D6.3mm_P2.50mm	710-860040370002	
3	2	C106, C107	10µF	Device:C_Small	Capacitor_SMD-C_0805_2012Metric_Pad1.18x1.45mm_HandSolder		
4	4	C404, C405, C412, C413	0.01µF	Device:C_Small	Capacitor_SMD-C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	81-RCER71H103K0A2HQB	
5	2	C407, C411	100µF	Device:C_Small	Capacitor_SMD-C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	81-RCESC1H101J0A2HQB	
6	2	C408, C410	0.47µF	Device:C_Small	Capacitor_SMD-C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	81-RCER71H473K0A2HQB	
7	1	C502	22µF	Device:C_Polarized_Small	Capacitor_THTTCP_Radial_D6.3mm_P2.50mm	647-RNS1C220MDS1	
8	2	C503, C504	2.2µF	Device:C_Polarized_Small	Capacitor_THTTCP_Radial_D6.3mm_P2.50mm	80-A750EQ477M1CAAE15	
9	1	D101	1N4148	Diode:1N4148	Diode_THTED_DO-35_SOD27_P7.62mm_Horizontal	512-1N4148	
10	1	D102	ESDA25L	Power_Protection:SP05020BAHT	Package_TO_SOT_SMD:SOT-23	511-ESDA25L	
11	1	D103	Power LED	Device:LED	LED_THTLED_D3.0mm	78-TLHK46Q1R2	
12	1	D301	1N5817	Diode:1N5817	Diode_THTED_DO-41_SOD81_P10.16mm_Horizontal	511-1N5817	
13	2	D401, D402	1N4001	Diode:1N4001	Diode_THTED_DO-41_SOD81_P10.16mm_Horizontal	637-1N4001	
14	8	H101, H102, H103, H104, H105, H106, H107, H108	MountingHole	Mechanical:MountingHole	MountingHole:MountingHole_3.5mm		
15	1	J101	USB_C_Receptacle_PowerOnly_6P	Connector:USB_C_Receptacle_PowerOnly_6P	Connector_USB:USB_C_Receptacle_GCT_USB4085	640-USB4085-GF-A	
16	1	J102	Conn_02x15_Odd_Even	Connector_Generic:Conn_02x15_Odd_Even	ji-Connectors:Sullins_Cart_Slot	571-5530B43-2	
17	1	J301	DE15_Receptacle_HighDensity_MountingHoles	Connector:DE15_Receptacle_HighDensity_MountingHoles	Connector_Dsub:DSUB-15-HD_Female_Horizontal_P2.29x1.98mm_EdgePinOffset8.35mm_Housed_MountingHolesOffset10.89mm	923-7HDE15SDH4R9HWA	
18	1	J401	Controller 1	Connector:DE9_Plug_MountingHoles	Connector_Dsub:DSUB-9_Male_Horizontal_P2.77x2.84mm_EdgePinOffset7.70mm_Housed_MountingHolesOffset9.12mm	923-G17C0910132EU	
19	1	J402	Controller 2	Connector:DE9_Plug_MountingHoles	Connector_Dsub:DSUB-9_Male_Horizontal_P2.77x2.84mm_EdgePinOffset7.70mm_Housed_MountingHolesOffset9.12mm	923-G17C0910132EU	
20	1	J501	AudioJack3	Connector_Audio:AudioJack3	Connector_Audio:Jack_3.5mm_CUI_SJ1-3523N_Horizontal	490-SJ1-3523N	
21	1	Q101	MMF7P3334K-AQ	Device:Q_PMCOS_GSD	Package_TO_SOT_SMD:SOT-23	637-MMF7P3334K-AQ	
22	2	Q401, Q402	2N2904	Transistor_BJT:2N2904	Package_TO_SOT_THT:TO-92_Inline	583-2N2904	
23	2	R101, R102	5K1	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
24	4	R103, R409, R412, R502	10K	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
25	1	R104	3K3	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
26	1	R105	330R	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
27	2	R401, R402	220R	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
28	3	R403, R404, R413	1.5K	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
29	2	R405, R406	120R	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
30	2	R407, R410	1.8K	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
31	2	R408, R411	22K	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
32	2	R414, R415	100K	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
33	4	R501, R503, R504, R505	1K	Device:R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder		
34	1	RN101	3K3	Device:R_Network:04_Split	Resistor_THTer_Array_SIP5	652-4605M-1LF-3-3K	
35	7	RN301, RN302, RN303, RN304, RN305, RN306, RN307	1K	Device:R_Pack:04_SIP	Resistor_THTer_Array_SIP8	652-4608X-2LF-1K	
36	2	RN401, RN402	22K	Device:R_Network:07	Resistor_THTer_Array_SIP8	652-4608X-1LF-22K	
37	2	SW101, SW102	SW_Push	Switch:SW_Push	Button_Switch_THTSW_PUSH_6mm		
38	1	U101	Z80CPU	CPU:Z80CPU	Package_DIP-DIP-40_W15.24mm_Socket		
39	1	U102	DS1813	ji-Ic:DS1813	Package_TO_SOT_THT:TO-92_Inline	700-DS1813-10T8R	
40	1	U103	MC74ACT05D	74xx-74LS05	Package_SO-SOIC-14_3.9x8.7mm_P1.27mm	863-MC74ACT05DR2G	
41	1	U104	ICL7660A	Regulator_SwitchedCapacitor:ICL7660	Package_SO-SOIC-8_3.9x4.8mm_P1.27mm	968-ICL7660MBAZA	
42	1	U105	MAX1605A	ji-Ic:MAX1605A	Package_TO_SOT_SMD:SOT-23-6	700-MAX1605A4ZTT	
43	2	U201, U202	GAL22V10	ji-Ic:GAL22V10	Package_DIP-DIP-24_W7.62mm_Socket	556-AF22V10C15PU	
44	1	U203	AT28C64	ji-Ic:AT28C64	Package_DIP-DIP-28_W15.24mm_Socket	556-AT28C64B15PU	
45	1	U204	AS6C8256-55SCN	Memory_RAM:CY82556-70PC	Package_SO-SOIC-28W_7.5x18.7mm_P1.27mm	813-AS6C8256-55SCN	
46	1	U205	MM74HCT08M	74xx-74LS08	Package_SO-SOIC-14_3.9x8.7mm_P1.27mm	512-MM74HCT08MX	
47	1	U206	MM74HCT74M	74xx-74HC74	Package_SO-SOIC-14_3.9x8.7mm_P1.27mm	512-MM74HCT74MX	
48	1	U301	Pico	ji-RPL_Pico:Pico	ji-RPL_Pico:Pico_SMD_TH		
49	2	U302, U303	SN74LVC245ADW	74xx-74HC245	Package_SO-SOIC-20W_7.5x12.8mm_P1.27mm	595-SN74LVC245ADWR	
50	2	U401, U402	74LS541	74xx-74LS541	Package_DIP-DIP-20_W7.62mm_Socket	595-SN74LS541NE4	
51	1	U403	SN74HCT00D	74xx-74HC700	Package_SO-SOIC-14_3.9x8.7mm_P1.27mm	595-SN74HCT00DR	
52	1	U501	SN76489AN	ji-Ic:SN76489AN	Package_DIP-DIP-16_W7.62mm_Socket		
53	1	U502	TL071	Amplifier_Operational:TL071	Package_DIP-DIP-8_W7.62mm_Socket	595-TL071CP	
54	1	U503	AY-3-8910	ji-Ic:AY-3-8910	Package_DIP-DIP-40_W15.24mm_Socket		
55	1	U504	SN74HCT02D	74xx-74HCT02	Package_SO-SOIC-14_3.9x8.7mm_P1.27mm	595-SN74HCT02DR	
56	1	X101	3.579545MHZ	Oscillator:CXO_DIP8	Oscillator_Oscillator_DIP-8	520-TCH357-X	