

CoPicoVision rev 2.0 Bill of Materials

Source:	CoPicoVision.kicad_sch				
Component Count:	117				
Item	Qty	Reference(s)	Value	LibPart	Footprint
1	20	C101, C103, C104, C108, C201, C202, C203, C204, C205, C206, C301, C302, C401, C402, C403, C406, C408, C501, C505, C506	0.1µF	Device:C_Small	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
2	2	C102, C105	100µF	Device:C_Polarized_Small	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
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
5	2	C407, C411	1000pF	Device:C_Small	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
6	2	C408, C410	.047µF	Device:C_Small	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
7	1	C502	22µF	Device:C_Polarized_Small	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
8	2	C503, C504	2.2µF	Device:C_Polarized_Small	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
9	1	D101	1N4148	Diode:1N4148	Diode_THT:DO-35_SOD27_P7.62mm_Horizontal
10	1	D102	ESD425L	Power_Protection:SP0502BAHT	Package_TO_SOT_SMD:SOT-23
11	1	D103	Power LED	Device:LED	LED_THT:LED_D3.0mm
12	1	D301	1N5817	Diode:1N5817	Diode_THT:DO-41_SOD81_P10.16mm_Horizontal
13	2	D401, D402	1N4001	Diode:1N4001	Diode_THT:DO-41_SOD81_P10.16mm_Horizontal
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
16	1	J102	Conn_02x15_Odd_Even	Connector_Generic:Conn_02x15_Odd_Even	ji-Connectors:Sullins_Cart_Slot
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
18	1	J401	Controller 1	Connector:DE9_Plug_MountingHoles	Connector_Dsub:DSUB-9_Male_Horizontal_P2.77x2.84mm_EdgePinOffset7.70mm_Housed_MountingHolesOffset9.12mm
19	1	J402	Controller 2	Connector:DE9_Plug_MountingHoles	Connector_Dsub:DSUB-9_Male_Horizontal_P2.77x2.84mm_EdgePinOffset7.70mm_Housed_MountingHolesOffset9.12mm
20	1	J501	AudioJack3	Connector_Audio:AudioJack3	ji-Connectors:Sullins_Cart_Slot
21	1	Q101	MMFPT3334K-AQ	Device:Q_PMOS_GSD	Package_TO_SOT_SMD:SOT-23
22	2	Q401, Q402	2N3904	Transistor_BJT:2N3904	Package_TO_SOT_THT:TO-92_Inline
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_NetworkI24_Split	Resistor_THT:R_Array_SIP5
35	7	RN301, RN302, RN303, RN304, RN305, RN306, RN307	1K	Device:R_PackI24_SIP	Resistor_THT:R_Array_SIP8
36	2	RN401, RN402	22K	Device:R_NetworkI27	Resistor_THT:R_Array_SIP8
37	2	SW101, SW102	SW_Push	Switch:SW_Push	Button_Switch_THT:SW_PUSH_6mm
38	1	U101	Z80CPU	CPU:Z80CPU	Package_DIP:DIP-40_W15.24mm_Socket
39	1	U102	DS1813	ji-ICs:DS1813	Package_TO_SOT_THT:TO-92_Inline
40	1	U103	MIC74ACT05D	74xx:74LS05	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm
41	1	U104	ICL7660A	Regulator_SwitchedCapacitor:ICL7660	968-ICL7660A8AZA
42	1	U105	MAX16054	ji-ICs:MAX16054	Package_TO_SOT_SMD:SOT-23-6
43	2	U201, U202	GAL22V10	ji-ICs:GAL22V10	Package_DIP:DIP-24_W7.62mm_Socket
44	1	U203	AT28C64	ji-ICs:AT28C64	Package_DIP:DIP-28_W15.24mm_Socket
45	1	U204	AS6C62256-55SCN	Memory_RAM:CY92256-70PC	Package_SO:SOIC-28W_7.5x18.7mm_P1.27mm
46	1	U205	MM74HCT08M	74xx:74LS08	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm
47	1	U206	MM74HCT74M	74xx:74HCT74	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm
48	1	U301	Pico	ji-RPL_Pico:Pico	ji-RPL_Pico:Pico_SMD_TH
49	2	U302, U303	SN74LVC245ADW	74xx:74LVC245	Package_SO:SOIC-20W_7.5x12.8mm_P1.27mm
50	2	U401, U402	74LS541	74xx:74LS541	Package_DIP:DIP-20_W7.62mm_Socket
51	1	U403	SN74HCT00D	74xx:74HCT00	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm
52	1	U501	SN76489AN	ji-ICs:SN76489AN	Package_DIP:DIP-16_W7.62mm_Socket
53	1	U502	TL071	Amplifier_Operational:TL071	Package_DIP:DIP-8_W7.62mm_Socket
54	1	U503	AY-3-8910	ji-ICs: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
56	1	X101	3.579545MHz	Oscillator:CXO_DIP8	Oscillator_Oscillator_DIP-8