

Source:	CoPicoVision\design-files\CoPicoVision.kicad_sch					
Component Count:	104					
Culated Components:						
Item	Qty	Reference(s)	Value	LibPart	Footprint	Model
1	15	C101, C103, C104, C201, C202, C203, C204, C301, C302, C401, C402, C403, C406, C408, C501	0.1uF	Device-C_Small	Capacitor_THTC_Disc_D3.8mm_W2.6mm_P2.50mm	81-RCERF1E10K0A2HXB
2	2	C102, C105	100uF	Device-C_Polarized_Small	Capacitor_THTCP_Radial_D6.3mm_P2.50mm	710-860040373002
3	2	C106, C107	10uF	Device-C_Small	Capacitor_SMD-C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	
4	1	C108	0.1uF	Device-C_Small	Capacitor_SMD-C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	
4	1	C405, C406, C412, C413	0.01uF	Device-C_Small	Capacitor_THTC_Disc_D3.8mm_W2.6mm_P2.50mm	81-RCERF1H100K0A2HXB
6	2	C407, C411	100uF	Device-C_Small	Capacitor_THTC_Disc_D3.8mm_W2.6mm_P2.50mm	81-RCESC1H101J0A2HXB
7	2	C408, C410	1047uF	Device-C_Small	Capacitor_THTC_Disc_D3.8mm_W2.6mm_P2.50mm	81-RCERF1H473K0A2HXB
8	1	C502	22uF	Device-C_Polarized_Small	Capacitor_THTCP_Radial_D6.3mm_P2.50mm	847-FNS1C220MD01
9	1	C503	470uF	Device-C_Polarized_Small	Capacitor_THTCP_Radial_D6.3mm_P2.50mm	80-A750Q477M1CAE15
10	1	D101	1N4148	Diode_1N4148	Diode_THTD_DO-35_SOD37_P7.62mm_Horizontal	513-1N4148
11	1	D102	ESD40SL	Power_Protection_SPS02BAH7	Package_TO_SOT_SMD_SOT123	511-ESD40SL
12	1	D103	Power LED	LED	LED_THTLED_D3.0mm	78-TL0K48Q1R2
13	1	D301	1N6817	Diode_1N6817	Diode_THTD_DO-41_SOD81_P10.16mm_Horizontal	511-1N6817
14	2	D401, D402	1N4001	Diode_1N4001	Diode_THTD_DO-41_SOD81_P10.16mm_Horizontal	637-1N4001
16	1	J101	USB_C_Receptacle_PowerOnly_5P	Connector_USBUSB_C_Receptacle_PowerOnly_5P	Connector_USBUSB_C_Receptacle_GCT_USB4085	640-USB4085-OF-A
17	1	J102	Conn_S2x15_Odd_Even	Connector_GenericConn_S2x15_Odd_Even	j1-ConnectorsBulmin_Cart_S04	571-553943-2
18	1	J201	DE15_Receptacle_HighDensity_MountingHoles	Connector_DE15_Receptacle_HighDensity_MountingHoles	Connector_DsubDSUB-15-HD_Female_Horizontal_P2.28x1.88mm_EdgePinOffset7.35mm_Housed_MountingHolesOffset10.89mm	523-7NDE15SD4HR9NVA
19	1	J401	Controller 1	Connector_DE9_Plug_MountingHoles	Connector_DsubDSUB-9_Male_Horizontal_P2.77x2.84mm_EdgePinOffset7.70mm_Housed_MountingHolesOffset8.12mm	523-G17020910132EU
20	1	J402	Controller 2	Connector_DE9_Plug_MountingHoles	Connector_DsubDSUB-9_Male_Horizontal_P2.77x2.84mm_EdgePinOffset7.70mm_Housed_MountingHolesOffset8.12mm	523-G17020910132EU
21	1	J501	AudioJack3	Connector_AudioAudioJack3	Connector_AudioJack_3.5mm_CUE_S11-3523N_Horizontal	490-S11-3523N
22	1	C101	MMFPT3334K-AQ	Device-Q_PMA08_GSD	Package_TO_SOT_SMD_SOT123	637-MMFPT3334K-AQ
23	2	C401, Q402	2N3904	Transistor_BJT2N3904	Package_TO_SOT_THTTO-92_Inline	563-2N3904
24	1	C501	NSD1616A	Device-Q_RPN_ICB	Package_TO_SOT_THTTO-92_Inline_Wide	512-KSD1616AGTA
25	2	R101, R102	5K1	Device-R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
26	1	R103	10K	Device-R_Small	Resistor_SMD-R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
27	1	R104	3K3	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
28	1	R105	330R	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
29	2	R401, R402	210R	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
30	3	R403, R404, R413	1.5K	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
31	2	R405, R406	120R	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
32	2	R407, R410	1.8K	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
33	2	R408, R411	22K	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
34	2	R409, R412	10K	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
35	2	R414, R415	100K	Device-R_Small	Resistor_THTR_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	
36	1	R501	100R	Device-R_Small	Resistor_THTR_Axial_DIN0204_L3.8mm_D1.6mm_P5.08mm_Horizontal	708-CF913J7100R
37	1	R9101	3K3	Device-R_NetworkD4_SpR	Resistor_THTR_Array_SIP5	652-4050A-1LF-3.3K
38	7	RN201, RN202, RN203, RN304, RN205, RN206, RN207	1K	Device-R_PackD4_SIP	Resistor_THTR_Array_SIP8	652-4050A-1LF-1K
39	2	RN401, RN402	22K	Device-R_NetworkD7	Resistor_THTR_Array_SIP8	652-4050A-1LF-22K
40	2	SW101, SW102	SW_Push	Switch_SW_Push	Button_Switch_THTSW_PUSH_6mm	
41	1	U101	280CPU	CPU_280CPU	Package_DIP-DIP-40_W15.24mm_Socket	
42	1	U102	DS18B13	j1-KC-DS18B13	Package_TO_SOT_THTTO-92_Inline	700-DS18B13-10T8A
43	1	U103	74ACT05	74xx_74LS05	Package_DIP-DIP-14_W7.62mm_Socket	595-IC74ACT05EEA
44	1	U104	ICL7660A	Regulator_SwitchedCapacitorICL7660	Package_SO_SOIC-8_3.9x4.9mm_P1.27mm	988-ICL7660ABAZA
45	1	U105	MAX16054	j1-KC-MAX16054	Package_TO_SOT_SMD_SOT23-6	700-MAX16054AZT7
46	2	U201, U202	GAUZ2V10	j1-KC-GAUZ2V10	Package_DIP-DIP-24_W7.62mm_Socket	556-AF22V10C15PU
47	1	U203	AT28C64	j1-KC-AT28C64	Package_DIP-DIP-28_W15.24mm_Socket	556-AT28C64B15PU
48	1	U204	AS8C6264	j1-KC-AS8C6264	Package_DIP-DIP-28_W15.24mm_Socket	913-AS8C6264-SSPCN
49	1	U301	Photo	j1-RPL_PhotoPhoto	j1-RPL_PhotoPhoto_SMD_3H	
50	2	U302, U303	74LVX245	74xx_74HC245	Package_DIP-DIP-20_W7.62mm_Socket	595-974LVX245ANE4
51	2	U401, U402	74LS541	74xx_74LS541	Package_DIP-DIP-20_W7.62mm_Socket	595-974LS541NE4
52	1	U403	74HCT00	74xx_74HCT00	Package_DIP-DIP-14_W7.62mm_Socket	595-974HCT00N
53	1	U501	SN76489AN	j1-KC-SN76489AN	Package_DIP-DIP-16_W7.62mm_Socket	
54	1	X101	3.579545MHz	Oscillator_CXO_DFN	Oscillator_Oscillator_DIP-8	505-TCH357-X