

PWR2 5	Description Low Voltage Power	Designator	Footprint	LibRef	Quantity
	Supply Connector [NoValue], Surface	1	DCJACK	PWR2.5	
12MHz	Mount Quartz Crystal	12, 12M	HC49/4H_SMX	XTAL, HC49/4H_SMX	
18.432MHZ	Surface Mount Quartz Crystal	18	HC49/4H_SMX	HC49/4H_SMX	<u></u>
Jack_mono_ear	Jack Socket, 1/4" [6.5mm], Thru-Hole, Vertical, 2-Conductor Open Circuit	Audio In	AUDIOJACK_MANU	Phonejack2	
Jack_estereo	Jack Socket, 1/4" [6.5mm], Thru-Hole, Vertical, 3-Conductor Open Circuit (Non- Normalling)	Audio out	AUDIOJACK_MANU	Phonejack3	
220UF	Polarized Capacitor (Radial)	C1	smd_elec6mm	Cap Pol1	
100NF	Capacitor (Semiconductor SIM Model), C33, CAP0805 100NF	C2, C4, C16, C19, C22, C27, C28, C29, C30, C34, C36, C37	cap0603_manu3d	Cap Semi, Cap	
10NF	Capacitor (Semiconductor SIM Model), CAP0805 10NF	C3, C24	cap0603_manu3d	Cap Semi	
10uF/16v	Polarized Capacitor (Radial)	C5	smd_elec3.5mm	Cap Pol1	
2u2	C33	C6, C7	cap0603_manu3d	Сар	
2n2 10uF	C33	C8, C39 C10, C11, C12, C13	cap0603_manu3d SM0805	Cap C	
100pf	Capacitor (Semiconductor SIM Model) Capacitor	C14, C15	cap0603_manu3d	Cap Semi	
18PF	(Semiconductor SIM Model), CAP0805 18PF CAP0805 10PF.	C17, C18, C32, C33	cap0603_manu3d	Cap Semi	
10pf 1nf	CAP0805 18PF CAP0805 1NF	C20, C21, C31 C23, C25	cap0603_manu3d cap0603_manu3d	Cap Semi Cap Semi	
4.7uF	CAP0805 2U2	C26	cap0603_manu3d	Cap Semi	
SW-PB BZX84C5V1	Switch	CORE RST, OSD D1	TACTSWITCH90 SOT23	SW-PB ZENNER_SOT23	
BAT54WS-7-F	Diodes Inc BAT54WS-7 F, SMT Schottky Switching Diode, 30V 200mA, 5ns, 2-Pin SOD- 323	D2, D3	SOD2513X120N	BAT54WS-7-F	
Header 2	Header, 2-Pin	ERASE, ON/OFF, VGA 5V	Pin_2v_2.56 DIP80	Header 2	
Conector 40X2 PCM5102APWR	2VRMS DirectPath, 112dB Audio Stereo DAC with 32-bit, 384kHz PCM Interface	Expansion port IC1	SOP65P640X120-20N	Conector 40X2 PCM5102APWR	
USB		J1	Micro_usbmanu	USB	
JOYSTICK	DS1038-15FBNSIA74 DS1037-09M	J2 Joy1, Joy2	VGA DSUB1.385-2H9B	D Connector 15 D Connector 9	
DUAL USB-A Header 6	Header, 6-Pin	JP1, JP2 JP3. JP3B	USB_STACK HDR1X6	USB-A_DUAL Header 6	
OR Inductor	Inductor	JTAG L1, L2	Resistor_bridge RES0603_manu3d	Res2 Inductor	
LED3	Typical BLUE SIC LED	POWER	LED0805_manu	LED3	
DMP2066LSN-7 MMSS8550H		Q1, Q2 Q3	SOT23 SOT23	MOSFET P BC856AL	
30K 330R		R1, R5 R2	RES0603_manu3d RES0603_manu3d	RES RES	
100K 6K8		R3, R55 R4, R6	RES0603_manu3d RES0603_manu3d	RES RES	
2K	1K 680R, 10K	R7	RES0603_manu3d	Res2	
20K 22K	1K	R8, R12 R9, R13	RES0603_manu3d RES0603_manu3d	Res2 Res2	
470R 22R	4K7 510R, Resistor,	R10, R11 R14, R68, R70, R71,	RES0603_manu3d RES0603_manu3d	Res2 Res2, Res3	
0	RES0805 22R 0603	R77 R15	Resistor_bridge	Res2	
220R 110K	75R 1K	R16, R79 R17	RES0603_manu3d RES0603_manu3d	Res2 Res2	
510R	510R, [NoValue]	R18, R20, R22, R24, R26, R28, R32, R34, R36, R40, R43, R45, R49, R51, R53, R56, R58, R60, R64, R65, R66, R67	RES0603_manu3d	Res2, RES	
255R	255R	R19, R21, R23, R25, R27, R29, R33, R35, R37, R41, R44, R46, R50, R52, R54, R57, R59, R61	RES0603_manu3d	Res2	
10K SM0603 Res3 5K6	Resistor, RES0805 22R	R30 R31, R38, R42, R78 R39	RES0603_manu3d RES0603_manu3d	RES Res3 RES	
5K6 47K		R47	RES0603_manu3d RES0603_manu3d	RES	
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10K		R48 R62	RES0603_manu3d RES0603_manu3d	RES RES	
10K 1K5	Resistor, RES0805 1K5	R62 R63, R75, R76 R69, R72, R73, R82,	RES0603_manu3d RES0603_manu3d	RES Res3	
10K 1K5 4K7	Resistor, RES0805 4K7	R62 R63, R75, R76 R69, R72, R73, R82, R83, R84, R85	RES0603_manu3d RES0603_manu3d RES0603_manu3d	RES Res3 Res3	
10K 1K5 4K7 220	Resistor, RES0805 4K7 Resistor 75R	R62 R63, R75, R76 R69, R72, R73, R82,	RES0603_manu3d RES0603_manu3d	RES Res3	
10K 1K5 4K7 220 100R SW-PB	Resistor, RES0805 4K7 Resistor 75R Switch Typical RED, GREEN,	R62 R63, R75, R76 R69, R72, R73, R82, R83, R84, R85 R74 R80, R81 RESET	RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d SWITCH	RES Res3 Res3 Res3 Res2 SW-PB	
10K 1K5 4K7 220 100R SW-PB	Resistor, RES0805 4K7 Resistor 75R Switch	R62 R63, R75, R76 R69, R72, R73, R82, R83, R84, R85 R74 R80, R81 RESET	RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d SWITCH LED0805R	RES Res3 Res3 Res3 Res2 SW-PB	
10K 1K5 4K7 220 100R SW-PB ROJO SD_CARD	Resistor, RES0805 4K7 Resistor 75R Switch Typical RED, GREEN, YELLOW, AMBER GaAs LED	R62 R63, R75, R76 R69, R72, R73, R82, R83, R84, R85 R74 R80, R81 SD SD1 Serial port FPGA, Serial	RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d SWITCH LE D0805R	RES Res3 Res3 Res3 Res3 Res2 SW-PB LED2 SD_CARD	
10K 1K5 4K7 220 100R SW-PB	Resistor, RES0805 4K7 Resistor 75R Switch Typical RED, GREEN, YELLOW, AMBER GaAs LED Header, 4-Pin Analog Comparators SINGLE OPEN DRAIN	R62 R63, R75, R76 R69, R72, R73, R82, R83, R84, R85 R74 R80, R81 RESET	RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d SWITCH LED0805R	RES Res3 Res3 Res3 Res2 SW-PB	
10K 1K5 1K5 220 100R SW-PB ROJO SD_CARD Header 4	Resistor, RESOBOS 4K7 Resistor 75R Switch Typical RED, GREEN, YELLOW, AMBER GaAs LED Header, 4-Pin Analog Comparators SINGLE OPEN DRAIN OUTPUT	R62 R63, R75, R76 R69, R72, R73, R82, R83, R84, R85 R74 R80, R81 RESET SD SD1 Serial port FPGA, Serial Port MCU	RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d RES0603_manu3d SWITCH LED0805R sdsocket HDR1X4	RES Res3 Res3 Res3 Res2 SW-PB LED2 SD_CARD Header 4	
10K 1K5 4K7 220 100R SW-PB ROJO SO_CARD Header 4 NCS22525N2T1G IRLML6402 NCP988LSNAJAAT1G	Resistor, RES0805 4K7 Resistor 75R Switch Typical RED, GREEN, YELLOW, AMBER GaAs LED Header, 4-Pin Analog Comparators SINGLE OPEN DRAIN OUTPUT	R62 R63, R75, R76 R69, R72, R73, R82, R83, R84, R85 R74 R80, R81 RESET SD SD1 SD1 SPORT MCU T1	RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d SWITCH LEDOROSR SROCKET HDR1X4 SOT95P275X110-5N SOT23_L SOT23_L SOT23_L SOT23_LEAD	RES Res3 Res3 Res3 Res2 SW-PB LED2 SD_CARD Header 4 NCS22525N2T1G	
10K 1K5 4K7 220 100R SW-PB ROJO SD_CARD Header 4 NCS22525N2T1G IRLML6402 RCP380LSNAJAAT1G FE2.1	Resistor, RESOBOS 4K7 Resistor 75R Switch Typical RED, GREEN, YELLOW, AMBER GaAs LED Header, 4-Pin Analog Comparators SINGLE OPEN DRAIN OUTPUT	R62 R63, R75, R76 R69, R72, R73, R82, R83, R84, R85 R74 R80, R81 R80, R81 R80, R81 SD1 SD1 Serial port FPGA, Serial Port MCU T1	RESORD, manu3d RESORD, manu3d RESORD, manu3d RESORD, manu3d RESORD, manu3d RESORD, manu3d RESORD, manu3d SWITCH LEDOROSE SGIOCKET HORIX4 SOT95P275X110-5N SOT23_L	RES Res3 Res3 Res3 Res2 SW-PB LED2 SD_CARD Header 4 NC\$22525N2T1G IRLML6302	
220 100R SWI-PB R0J0 SD_CARD Header 4 NCS22525N2T1G IRLML6402 NCP380L5NAIAAT1G FEZ.1 Conector 32x2	Resistor, RESD805-4K7 Resistor 7SR Switch Typical RED, GREEN, YELLOW, AMBER GAN- LED Header, 4-Pin Analog Comparators SINCLE OPEN DRAIN OUTSIENDED MAKSA-21E APPI ARMITHUM- based 32-bit Microcontroller,	R62 R03, R75, R76 R09, R72, R73, R82, R83, R84, R85 R74 R80, R87 R81 R85ST S01 Sorial port FPGA, Serial Port MCU U1 U2 U1 U2 U3 U4, U5	RESOROJ, manušdi RESOROJ, manušdi RESOROJ, manušdi RESOROJ, manušdi RESOROJ, manušdi SWITCH LEDOROSR SSIGOROJ, manušdi SWITCH SUDOROSR SSIGOROJ, manušdi SWITCH SOTOSP275X110-5N SO	RES Res3 Res3 Res3 Res3 Res4 Res2 SW-P8 LED2 SD_CARD Header 4 NCS2252SN2TIG IRI_MIL6302 RE_MASSNAMATIG FE21 Genector 32x2	
10K 1K5 4K7 220 100R SW-PB ROXO SD_CARD Header 4 NCS2252SN2T1G IRLML6402 NCP380LSNAJAAT1G FE2.1	Resistor, RESSB05 4K7 Resistor 7SR Switch Typical RED, GREEN, YELLOW, AMBER GaAs LED Header, 4-Pin Header, 4-Pin Header, 5-Pin HEXPET Power MOSPET MOSPET AIT91 ARM Thumb-based 32-bit	862 803.875.876. 869.872.873.882. 883.884.885 874 880.881 884.885 874 880.881 885.871 880.881 885.871 885.871 885.871 11 12 12 11 12 12	RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d RESORO3, manu3d SWITCH LE DOROSR SROCKET HOR IX4 SOT95P275X110-5N SOT23_LEAD LOTP48 TOPP05	RES Res3 Res3 Res3 Res3 Res4 Res2 SW-P8 LED2 SD_CARD Header 4 NCS2252SN2T1G IRLML6302 NCP380LSNAJAAT1G FEZ.1	