

Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
5019		AUDIO_IN, DIN, FTDI_CTS, FTDI_RST, FTDI_RXD, FTDI_TXD, J11 , LED0_G, LED0_R, LED0_Y, OUT_FILTRED, SPI1_CLK, SPI1_MOSI, SPI2_MISO, SPI2_SCK, SPI2_SS, Synchro_Data_DAC, USB1_N,	21	Keystone Electronics	5019	Digikey	36-5019CT-ND
FT232RNL-REEL	UART Interface IC USB Full Speed to Serial UART IC, Includes Oscillator and EEPROM, SSOP-28	B1	1	FTDI	FT232RNL-REEL	Digikey	768-FT232RNL-REELDKR-ND
1n	Capacitor	C1, C2	2	Stock ES		Stock ES	
10uF	Capacitor	C3, C4, C24	3	Stock ES		Stock ES	
22uF	Capacitor	C5	1	Stock ES		Stock ES	
4.7u	Polarized Capacitor (Radial)	C6	1	Panasonic	10SVP4R7M	Digikey	P16437CT-ND
0.1u	Capacitor	C7, C11	2	Stock ES		Stock ES	
47p	Capacitor	C8, C9	2	Stock ES		Stock ES	
10n	Capacitor	C10	1	Stock ES		Stock ES	
100nF	Capacitor	C12, C13, C14, C15, C16, C17, C18	7	Stock ES		Stock ES	
100nF	10nf	C20, C21, C22	3	Stock ES		Stock ES	
1nF	Capacitor	C23, C25	2	Stock ES		Stock ES	
APTF1616SURKCGKSYKC	Green, Red, Yellow 570nm Green, 630nm Red, 590nm Yellow LED Indication - Discrete 2.1V Green, 1.95V Red, 2V Yellow 4-SMD, No Lead	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	10	Kingbright	APTF1616SURKCGKSYKC	Arrow Elect	APTF1616SURKCGKSYKC
MI0805K400R-10	FERRITE BEAD 40 OHM 0805 1LN	FB1	1	Laird	MI0805K400R-10	Digikey	240-2389-1-ND
5011	Test Point, Black, Through Hole, RoHS, Bulk	GND	6	Keystone Electronics	5011	Digikey	36-5011-ND
SJ1-3533NG	3.5 mm Right-Angle Stereo Jack, 3 Pin PCB Mount, Isolated Ground	J13, J23	2	CUI Devices	SJ1-3533NG	Future Elec	7134572
USB4085-GF-A_REV B	USB-C (USB TYPE-C) USB 2.0	J24	1	Global Connector Tech	USB4085-GF-A	Digikey	2073-USB4085-GF-ACT-ND
15 uH	Fixed Inductors 22uH 2.80A 0.028ohms	L1	1	Würth Electronics	744770115	Digikey	732-1225-1-ND
691312510002	Header, 3-Pin	P1	1	Würth Electronics	61300311121	Digikey	732-5316-ND
691312510002	Header, 2-Pin	P2, P4	2	TE Connectivity	CONBNC002	Arrow Elect	CONBNC002
76384-406LF	Header, 6-Pin	P3	1	Würth Electronics	61300611121	Digikey	732-5319-ND
IRLML2402TRPBF	MOSFET N-CH 20V 1.2A SOT-23	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q1	30	Infineon	IRLML2402TRPBF	Digikey	IRLML2402PBFCT-ND
5k1	Resistor	R1, R2	2	Stock ES		Stock ES	
100K	Resistor	R3	1	Stock ES		Stock ES	
120	Resistor	R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33	30	Stock ES		Stock ES	
10k	Resistor	R34	1	Stock ES		Stock ES	
1k	Resistor	R35	1	Stock ES		Stock ES	
2k	Resistor	R36	1	Stock ES		Stock ES	
FSM2JSMAA	SWITCH TACTILE SPST-NO 0.05A 24V	SW1	1	TE Connectivity	FSM2JSMAA	Digikey	450-3355-ND
5010	Test Point, Red, Through Hole, RoHS, Bulk	TP7, TP8	2	Keystone Electronics	5010	Digikey	36-5010-ND
173950336		U1	1	Würth Electronics	173950336	Digikey	732-173950336-ND
PIC32MZ2048EFH064-250I	MIPS32Â® M-Class PICÂ® 32MZ Microcontroller IC 32-Bit 250MHz 2MB _2M x 8_ FLASH 64-TQFP _10x10_	U2	1	Microchip	PIC32MZ2048EFH064-250I/PT	Digikey	PIC32MZ2048EFH064-250I/ PT-ND
AD5620CRMZ-1	Single, 12-Bit nanoDACÂ® with 5 ppm/Â°C On-Chip Reference in SOT-23	U3	1	Analog Devices	AD5620CRMZ-1	Digikey	505-AD5620CRMZ-1-ND
M20-7920442R	WR-PHD Pin Header, THT, pitch 2.54mm, Dual Row, Angled, 8p	X1	1	Harwin	M20-7920442R	Digikey	952-3204-1-ND
ABLS-20.000MHZ-B2-T	HC/49US (AT49) SMD LOW PROFILE CRYSTAL	Y1	1	Abracon	ABLS-20.000MHZ-B2-T	Mouser	815-ABLS-20-B2