

SigmaMIX PARTLIST

Category	Type	Value	Manufactuer	Package	Num	Part No.	digkey
IC	DSP Processor	ADAU1701	Analog Devices	LQFP48	2	U4, U5	ADAU1701JSTZ-RLCT-ND
	Bluetooth Module	BGM113	Silicon Labs	Module	1	IC1	336-3817-1-ND
	Reset	ADM811	Analog Devices	SOT192	1	U3	ADM811TARTZ-REEL7CT-ND
	Battery Management	MCP73871	Microchip	QFN20	1	U2	MCP73871-2AAI/ML-ND
	Voltage Regulator	MCP1726	Microchip	SOIC8	1	U1	MCP1726-3302E/SN-ND
Crystal	Ceramic SMD	12.288MHz	Abracon	4-SMD	2	X3, X4	535-10902-1-ND
Resister	Thick Film	100	Panasonic	1608	2	R28, R29	P100HCT-ND
	Thick Film	475	Panasonic	1608	2	R30, R31	P475HCT-ND
	Thick Film	1k	Panasonic	1608	6	R2, R3, R4, R6, R26, R27	P1.00KHCT-ND
	Thick Film	8k06	Panasonic	1608	4	R18, R19, R20, R21	P8.06KHCT-ND
	Thick Film	10k	Panasonic	1608	10	R1, R5, R12, R13, R14, R15, R16, R17, R22, R23	P10.0KHCT-ND
	Thick Film	18k	Panasonic	1608	2	R24, R25	P18.0KHCT-ND
	Thick Film	49k9	Panasonic	1608	12	R8, R9, R10, R11, R40, R41, R42, R43, R44, R45, R46, R47	P49.9KHCT-ND
	Thick Film	56k2	Panasonic	1608	8	R32, R33, R34, R35, R36, R37, R38, R39	P56.2KHCT-ND
	Thick Film	100k	Panasonic	1608	1	R7	P100KHCT-ND
	Thick Film	100k	Panasonic	1608	1	R7	P100KHCT-ND
Capacitor	Ceramic	22pF	Murata	2012	4	C30, C31, C32, C33	490-3608-1-ND
	Multilayer Ceramic	100pF	Murata	2012	4	C9, C10, C11, C12	490-1615-1-ND
	Multilayer Ceramic	1000pF	Murata	2012	1	C2	490-5813-6-ND
	Multilayer Ceramic	56nF	Murata	2012	8	C64, C65, C66, C67, C68, C69, C70, C71	490-1662-1-ND
	Multilayer Ceramic	0.1uF	Murata	2012	23	C7, C8, C13, C20, C21, C22, C23, C26, C27, C28, C29, C34, C35, C38, C39, C40, C41, C44, C45, C48, C49, C52, C53	490-1683-6-ND
	Multilayer Ceramic	1uF	Murata	2012	1	C6	490-1691-6-ND
	Multilayer Ceramic	4.7uF	Murata	2012	4	C1, C3, C4, C5	490-4522-6-ND
	Multilayer Ceramic	10uF	Murata	2012	12	C14, C15, C16, C17, C42, C43, C46, C47, C50, C51, C54, C55	490-3905-1-ND
	Tantalum	10uF	Rohm	2012	6	C18, C19, C24, C25, C36, C37	511-1447-1-ND
	Tantalum	100uF	Vishay Sprague	3528	8	C56, C57, C58, C59, C60, C61, C62, C63	718-1313-1-ND
Ferrite Bead		600ohm @ 100MHz	Murata	1608	4	L1, L2, L3, L4	490-14396-1-ND
Transistor	PNP	40V 3A	Diodes Incorporated	SOT23	2	T1, T2	ZXTP25040DFHCT-ND
LED		green	Panasonic	1608	1	LED1	LNJ337W83RADKR-ND
		orange	Panasonic	1608	1	LED2	LNJ837W83RADKR-ND
		blue	Panasonic	1608	1	LED3	LNJ937W8CRADKR-ND
Switch	DIP	4 SPST 25mA 24V	Omron	Through Hole	2	SW1, SW2	SW1195-ND
	Rocker	SPDT 3A 28V	E-Switch	Through Hole	1	S1	EG4328-ND
	Tactile	SPST-NO	Omron	Through Hole	1	S2	SW426-ND
Connector		2POS SMD	JST	SMD	1	CN1	455-1749-6-ND
	DC Jack	2.5mm		Through Hole	1	J1	CP-202B-ND
	RCA Jack x1	Red	CUI	Through Hole	2	J3, J5	CP-1419-ND
	RCA Jack x1	White	CUI	Through Hole	2	J2, J4	CP-1420-ND
	RCA Jack x2	Red & White	CUI	Through Hole	4	J6, J7, J8, J9	CP-1435-ND
Header	2x5			Through Hole	2	X1, X2	MHC10K-ND
	2x5			Through Hole	2	JP1, JP2	
	2x3			Through Hole	2	SV1, SV2	