

SigmaMIX v0.3 BOM LIST

Part	Value	Package	Description	Digikey
C1	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C2	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C3	10uF	2012	tantalum capacitor	478-8115-1-ND
C7	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C8	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C9	100pF	2012	multilayer ceramic capacitor	490-1615-1-ND
C10	100pF	2012	multilayer ceramic capacitor	490-1615-1-ND
C11	100pF	2012	multilayer ceramic capacitor	490-1615-1-ND
C12	100pF	2012	multilayer ceramic capacitor	490-1615-1-ND
C13	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C14	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C15	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C16	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C17	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C18	10uF	2012	tantalum capacitor	478-8115-1-ND
C19	10uF	2012	tantalum capacitor	478-8115-1-ND
C20	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C21	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C22	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C23	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C24	10uF	2012	tantalum capacitor	478-8115-1-ND
C25	10uF	2012	tantalum capacitor	478-8115-1-ND
C26	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C27	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C28	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C29	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C34	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C35	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C36	10uF	2012	tantalum capacitor	478-8115-1-ND
C37	10uF	2012	tantalum capacitor	478-8115-1-ND
C38	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C39	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C40	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C41	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C42	3.3nF	2012	multilayer ceramic capacitor	399-1153-1-ND
C43	3.3nF	2012	multilayer ceramic capacitor	399-1153-1-ND
C44	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C45	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND

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Part	Value	Package	Description	Digikey
C46	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C47	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C48	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C49	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C50	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C51	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C52	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C53	0.1uF	2012	multilayer ceramic capacitor	490-1683-6-ND
C54	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C55	10uF	2012	multilayer ceramic capacitor	490-3905-1-ND
C56	100uF	3528	tantalum capacitor	718-1313-1-ND
C57	100uF	3528	tantalum capacitor	718-1313-1-ND
C58	100uF	3528	tantalum capacitor	718-1313-1-ND
C59	100uF	3528	tantalum capacitor	718-1313-1-ND
C60	100uF	3528	tantalum capacitor	718-1313-1-ND
C61	100uF	3528	tantalum capacitor	718-1313-1-ND
C62	100uF	3528	tantalum capacitor	718-1313-1-ND
C63	100uF	3528	tantalum capacitor	718-1313-1-ND
C64	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C65	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C66	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C67	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C68	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C69	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C70	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
C71	56nF	2012	multilayer ceramic capacitor	490-1662-1-ND
R1	100k	1608	chip resistor	P100KHCT-ND
R2	10k	1608	chip resistor	P10.0KHCT-ND
R3	0	1608	chip resistor	P0.0ACT-ND
R8	49k9	1608	chip resistor	P49.9KHCT-ND
R9	49k9	1608	chip resistor	P49.9KHCT-ND
R10	49k9	1608	chip resistor	P49.9KHCT-ND
R11	49k9	1608	chip resistor	P49.9KHCT-ND
R12	10k	1608	chip resistor	P10.0KHCT-ND
R13	10k	1608	chip resistor	P10.0KHCT-ND
R14	10k	1608	chip resistor	P10.0KHCT-ND
R15	10k	1608	chip resistor	P10.0KHCT-ND
R16	10k	1608	chip resistor	P10.0KHCT-ND

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Part	Value	Package	Description	Digikey
R17	10k	1608	chip resistor	P10.0KHCT-ND
R18	8R06	1608	chip resistor	541-8.06HHCT-ND
R19	8R06	1608	chip resistor	541-8.06HHCT-ND
R20	8R06	1608	chip resistor	541-8.06HHCT-ND
R21	8R06	1608	chip resistor	541-8.06HHCT-ND
R22	10k	1608	chip resistor	P10.0KHCT-ND
R23	10k	1608	chip resistor	P10.0KHCT-ND
R24	18k	1608	chip resistor	P18.0KHCT-ND
R25	18k	1608	chip resistor	P18.0KHCT-ND
R26	1k	1608	chip resistor	P1.00KHCT-ND
R27	1k	1608	chip resistor	P1.00KHCT-ND
R30	475	1608	chip resistor	P475HCT-ND
R31	475	1608	chip resistor	P475HCT-ND
R32	56R2	1608	chip resistor	P56.2HCT-ND
R33	56R2	1608	chip resistor	P56.2HCT-ND
R34	56R2	1608	chip resistor	P56.2HCT-ND
R35	56R2	1608	chip resistor	P56.2HCT-ND
R36	56R2	1608	chip resistor	P56.2HCT-ND
R37	56R2	1608	chip resistor	P56.2HCT-ND
R38	56R2	1608	chip resistor	P56.2HCT-ND
R39	56R2	1608	chip resistor	P56.2HCT-ND
R40	49k9	1608	chip resistor	P49.9KHCT-ND
R41	49k9	1608	chip resistor	P49.9KHCT-ND
R42	49k9	1608	chip resistor	P49.9KHCT-ND
R43	49k9	1608	chip resistor	P49.9KHCT-ND
R44	49k9	1608	chip resistor	P49.9KHCT-ND
R45	49k9	1608	chip resistor	P49.9KHCT-ND
R46	49k9	1608	chip resistor	P49.9KHCT-ND
R47	49k9	1608	chip resistor	P49.9KHCT-ND
L1	600ohm@100MHz	1608	ferrite beads	490-14396-1-ND
L2	600ohm@100MHz	1608	ferrite beads	490-14396-1-ND
L3	600ohm@100MHz	1608	ferrite beads	490-14396-1-ND
L4	600ohm@100MHz	1608	ferrite beads	490-14396-1-ND
T1	PNP	SOT-23	transistor	ZXTP25040DFHCT-ND
T2	PNP	SOT-23	transistor	ZXTP25040DFHCT-ND
Y1	12.288MHz	SMD		535-10902-1-ND
U2	MIC39101	SOIC8	Power Regulator IC	576-1782-5-ND
U3	ADM811	SOT-143	Reset IC	ADM811TARTZ-REEL7CT-ND

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Part	Value	Package	Description	Digikey
U4	ADAU1701	LQFP48	DSP IC	ADAU1701JSTZ-RLCT-ND
U5	ADAU1701	LQFP48	DSP IC	ADAU1701JSTZ-RLCT-ND
U6	BGM113	LGA Module	Bluetooth Module	336-3817-1-ND
J1	DC Jack	Through Hole	Connector	未実装
J2	RCA_JACK	Through Hole	Connector	CP-1420-ND
J3	RCA_JACK	Through Hole	Connector	CP-1419-ND
J4	RCA_JACK	Through Hole	Connector	CP-1420-ND
J5	RCA_JACK	Through Hole	Connector	CP-1419-ND
J6	RCA2_JACK	Through Hole	Connector	CP-1435-ND
J7	RCA2_JACK	Through Hole	Connector	CP-1435-ND
J8	RCA2_JACK	Through Hole	Connector	CP-1435-ND
J9	RCA2_JACK	Through Hole	Connector	CP-1435-ND
JP1	2x5	Through Hole	Pin Header	未実装
JP2	2x5	Through Hole	Pin Header	未実装
JP3	2x3	Through Hole	Pin Header	未実装
JP4	2x3	Through Hole	Pin Header	未実装
JP5	2x10 (for SWD)	Through Hole	Pin Header	MHC20K-ND
JP6	2x5 (for USBi)	Through Hole	Pin Header	MHC10K-ND
JP7	2x5	Through Hole	Pin Header	未実装
SW1	DIP SW	Through Hole	Switch	SW1195-ND
SW2	DIP SW	Through Hole	Switch	SW1195-ND
SW3	Rocker SW	Through Hole	Switch	EG4328-ND
SW4	Tactile SW	Through Hole	Switch	SW426-ND