



Bill of Materials for the LV4904VGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
L1, L2, L3, L4	4	Inductor	22uH (53mΩ, 1.6A)	20%	8.3mm dia	TOKO	A7040HN-220M	Yes	Yes
SW3, SW4	2	Rotary Code Switch	4bit, 16 position	-	5.08 x 7.62mm	KEL	KDS-16-412G	Yes	Yes
SW1	1	Tact Switch	Hard Reset	-	6 x 4.5mm	ALPS	SKHHCWA010	Yes	Yes
SW2, SW5	2	Toggle Switch	2 position	-	9 x 5.08mm	Nikkai	A-12HP	Yes	Yes
SW6	1	DIP switch	8-pole	-	22.4 x 7.62	OMRON	A6D-8103	Yes	Yes
CN3, 4, 5, 6	4	Crimp Connector posts	2 pole	-	3.96 x 7.86mm	JST	B2P-VH	Yes	Yes
CN1	1	Header Pin	1/10" pitch, 2x4	-	22.86 x 5mm	MAC8	WLW-8	Yes	Yes
CN2	1	Header Pin	1/10" pitch, 1x4	-	22.86 x 2.5mm	MAC8	WL-8	Yes	Yes
C16	1	Aluminum Electrolytic	470μF, 25V	20%	10mm dia	Nichicon	UKW1E471MPD	Yes	Yes
C9	1	Aluminum Electrolytic	10uF to 47uF	20%	6.3mm dia	Nichicon	UVR0J470MED	Yes	Yes
C1, 3, 6, 7, 8, 11,	8	Multilayer Ceramic Chip	1μF, 16V	10%	1608	TDK	C1608X7R1C105K	Yes	Yes
C4, 5, 14, 15	4	Multilayer Ceramic Chip	0.33uF, 25V	10%	2012	TDK	C2012X7R1H334K	Yes	Yes
C2, C10	2	Multilayer Ceramic Chip	1uF, 25V	10%	2012	TDK	C2012X7R1E105K	Yes	Yes
R1, 2, R4 to R18	17	Chip Resistor	10kΩ	5%, 1/4W	2012	ROHM	MCR10EZHL103	Yes	Yes
R3	1	Chip Resistor	1kΩ	5%, 1/8W	2012	ROHM	MCR10EZPJ102	Yes	Yes
IC	1	D-class Audio Power Amplifier	10W*2ch	-	HZIP25	ON Semiconductor	LV4904V	No	Yes