

Component list

Source Data From:

Project:

Variant:

audioboard.PrjPcb

audioboard.PrjPcb

None

Report Date:

7/3/2014

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03-Jul-14

2:17:18 PM

1	Capacitors	C1, C5	CAP CER 10NF 50V 10% X7R 1206	10n	1206 (3216 Metric)	CAPC3216X17N	Yageo	CC1206KRX7R9BB103	311-1174-1-ND	2
2	Capacitors	C2, C3, C4	CAP CER 100NF 50V 10% X7R 1206	10u	1206 (3216 Metric)	CAPC3216X17N	Kemet	C1206C104K5RACTU		3
3	Capacitors	C6, C7	CAP ALUM 1000UF 16V 20% RADIAL	1000u	Radial, Can	Radial_0254_0381X0900	Panasonic Electronic Components	ECA-1CM102B		2
4		D1	275 Amp Avg Pow er Silicon Rectifier Diode	1N4048		DO-35				1
5	Relays	K1	Relay 24V	DS2E-F-24V		DS2E-F-DC24V	Panasonic Electric Works	DS2E-S-DC24V		1
6		Q1	HEXFET N-Channel Pow er MOSFET	IRF730		TO-220AB				1
7	Resistors	R1, R2, R4	RES 10K OHM 1/8W 1% 0805 SMD	10K	0805 (2012 Metric)	RESC2012X06M	Yageo	RC0805FR-0710KL		3
8	Resistors	R3	RES 1.00K OHM 1/4W 1% 1206 SMD	1K	1206 (3216 Metric)	RESC3216X07N	Yageo	RC1206FR-071KL	311-1.00KFRCT-ND	1
9	Resistors	R5	RES 2.20K OHM 1/8W 1% 0805 SMD	2K2	0805 (2012 Metric)	RESC2012X06N	Yageo	RC0805FR-072K2L		1
10	Integrated Circuits (ICs)	U1	IC, ADJ LDO REG, 1.2V-33V, 0.15A, MSOP-8	TPS7A4901	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	MSOP-8	Texas Instruments	TPS7A4901DGNR	296-27751-2-ND	1
11		U2		LM1972		SOIC-20_0127_7.5mm				1
12		U3	LF442 Dual Low Pow er JFET Input Operational Amplifier	LF442CN		DIP-08_0254_0762_0420	TEXAS INSTRUMENTS	LF442CN		1
13	Connectors, Interconnects	X1	Stecker 2-Pin	24V IN		CON_1X02S_0254	Sullins Connector Solutions	PREC040SFAN-RC		1
14	Connectors, Interconnects	X2	Stecker 3-Pin	Audio Out		CON_1X03S_0254	Sullins Connector Solutions	PREC040SFAN-RC		1
15	Connectors, Interconnects	X3	Stecker 3-Pin	Audio IN1		CON_1X03S_0254	Sullins Connector Solutions	PREC040SFAN-RC		1
16	Connectors, Interconnects	X4	Stecker 3-Pin	Audio IN2		CON_1X03S_0254	Sullins Connector Solutions	PREC040SFAN-RC		1
17	Connectors, Interconnects	X5	Stecker 4-Pin	Control (Arduino)		CON_1X06S_0254	Sullins Connector Solutions	PREC040SFAN-RC		1

Approved

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