

**AudioRail consolidated parts reference list for a mating pair of prototype boxes – Rev. 6**

Qty	Vendor	Vendor part # (description)	Distributor	Distributor Part #	Volume cost	Cost @min
2	Bud Ind.	CH-14401 1U x 8" x 19" chassis	HLK&Assoc.			28.80
			Digi-Key	377-1206-ND	26 @100	41.60
2	Bud Ind.	CH-14441 Solid top cover for above	HLK&Assoc.			7.92
2	Corcom	10CS1 (IEC power connector)	Digi-Key	CCM1647-ND	4.76 @100	8.15
6	Molex	19003-0001 power lug	Digi-Key	WM18237-ND	0.181 @100	0.226 @10
2	Molex	19070-0040 ring terminal	Digi-Key	WM18273-ND	0.145 @100	0.181 @10
2	Molex	09-50-8031 (3-pos conn. housing)	Digi-Key	WM2123-ND	0.173 @100	0.29
			Arrow	09508031		0.084
2	V-Infinity	VPS-45-3.3 (3.3V 8A power supply)	V-Infinity		18. @100	30.30
2	Molex	09-50-8061 (6-pos conn. housing)	Digi-Key	WM2126-ND	0.285 @100	0.48
			Arrow	09508061		0.14
4	Molex	08-52-0113 (tin contacts)	Digi-Key	WM2313-ND	0.069 @100	0.087 @10
		08-50-0189 (brass/tin contacts)	Digi-Key	WM17403-ND	0.070 @100	0.088 @10
2		(PCB)			39.74 @100	200.06 @8
2	Micrel Semi.	MIC39300-1.8BU (1.8V regulator)	Arrow		3.5 @50	
2	TI	TPS3809K33DBVT (200ms supv.)	Digi-Key	296-2631-1-ND	0.64 @100	0.96
1	ECS	ECS-3953M-500-B-TR (50 ppm)	Digi-Key	XC342CT-ND	3.94 @100	5.25
1	ECS	ECS-3953M-1000-BN-TR	Digi-Key	XC345CT-ND	4.1625 @100	5.55
1	Altera	EPF20K100ETC144-2 (Tx FPGA)	Arrow		68.00 @100	96.00
1	Altera	EPF20K100ETC144-3 (Rx FPGA)	Arrow		49.00 @100	69.00
2	Altera	EPC2LC20 (ISP config. ROM)	Arrow		23.95 @100	33.50
	Altera	EPC1LC20 (OTP config. ROM)	Arrow		9.00 @100	12.50
48	ITT Industries	PN12SHNA03QE (push-button sw)	Digi-Key	CKN-1189-ND	0.54 @1K	0.83
		PN12SHSA03QE (push-button sw)	Arrow		0.52 @1-3K	1.09
48	ITT Industries	G003 round switch cap	Arrow			0.36
		981A02000 5.86mm switch cap	Digi-Key	CKN1197-ND		
8	Toshiba	TOTX141 (Toslink transmitter)	Arrow		2.86 @100	3.06
8		TORX141 (Toslink receiver)	Arrow		3.18 @100	3.41
4	Intel	DJLXT972ALCA4834109 (10/100 phy)	Digi-Key	834109-ND	4.44 @100	8.42
4	Amphenol	RJHS-5385 (1 port RJ45)	Arrow	RJHS5385		1.67
			Newark	01F1773	1.60 @100	3.09
			Allied	625-0390	1.41 @100	2.12
8	TI	SN74LVC1G04DBVR (SOT-23-5)	Digi-Key	296-11599-1-ND	0.30 @100	0.50
4	Pulse	H1102 Ethernet isolation transformer	Arrow		2.42 @500	2.30
32	Steward	HZ0603B102R-00 1K 0603 ferrite	Digi-Key	240-1145-1-ND	0.141 @100	0.22 @10
46	Panasonic	ECJ-0EB1C223K 22nF X7R 16V 0402	Digi-Key	PCC2138CT-ND	0.093 @500	0.192 @10
28	Yageo	04022F104Z7B20D 0.1 uF 16V 0402	Digi-Key	311-1047-1-ND	0.030 @500	0.088 @10
4	Kemet	C1206C823K1RACTU 82 nF 100V	Digi-Key	399-1804-1-ND	0.373 @100	0.631 @10
6	Kemet	T494B476M010AS 47 uF 20% 10V	Digi-Key	399-3007-1-ND	1.05 @100	1.39
16	Kemet	C1206C103M1RACTU 0.01 uF 100V	Digi-Key	399-1235-1-ND	0.202 @100	0.341 @10
12	Panasonic	ECK-D3D102KBP 1nF 2KV capacitor	Digi-Key	P4486A-ND	0.373 @100	0.522 @10
8	Panasonic	ECJ-2VC1H271J 270 pF 5% 0805	Digi-Key	PCC271CGCT-ND	0.042 @100	0.062 @10
44	Panasonic	ERJ-8ENF2212V 22.1K 1% 1206	Digi-Key	P22.1KHCT-ND	0.036 @50	0.117 @10
8	Panasonic	ERJ-6GEYJ301V 300 5% 0805	Digi-Key	P300ACT-ND	0.025 @200	0.080 @10
115	Panasonic	ERJ-6ENF49R9V 49.9 1% 0805	Digi-Key	P49.9CCT-ND	0.028 @200	0.091 @10
8	Panasonic	ERJ-8GEYJ102V	Digi-Key	P1.0KECT-ND	0.029 @200	0.094 @10
48	Yageo	CFR-25JB-10K 10K 5% axial	Digi-Key	10KQBK-ND	0.0087 @1K	0.02 @200
2	Lite-On	LTL-4238 Green LED	Digi-Key	160-1132-ND	0.12 @100	0.23
2	Diodes, Inc.	BAT54WS-7 Schottky Vf=0.32V	Digi-Key	BAT54WSDICT-ND	0.48 @100	0.80
2			Arrow	BAT54WS7		0.49
2	AMP	104433-5 0.1" sq. header, 5 x 2 x 0.318"	Digi-Key	104433-5-ND	0.631 @100	0.95
2	Mill-Max	940-99-020-17-400000 20-pin PLCC skt	Digi-Key	ED80028-ND	0.574 @100	0.83
			Arrow	9409902017400000		0.98

Dark gray = alternates