Bill of Material (BOM) - Phoenix Piezo Foil Amplifier

Revised: 29 Mar 2004

Count	RefDes	Description	Value	Value2	Manufacture	Part Number	PatternName	Distributer	Dist Part	Price, 100s
1	-	Battery holder, 6" flying lead	3 cell	AAA	Keystone	2480K	-	Digi-key	2480K	$0.85
1	J1	BNC receptacle	PC mount	RA	Amphenol	31-5431-2010	-	Digi-key	ARF1065NW-ND	$2.41
1	C13	Capacitor, monolithic ceramic	22 pF	50V	Panasonic	ECJ-2VC1H220J	O8O5	Digi-key	PCC220CNCT-ND	$0.03
1	C1	Capacitor, monolithic ceramic	0.1 uF	16V	Panasonic	ECY-2VB1C104K	O8O5	Digi-key	PCC1812CT-ND	$0.07
	C2	Capacitor, monolithic ceramic	0.1 uF	16V	Panasonic	ECY-2VB1C104K	O8O5	Digi-key	PCC1812CT-ND	$0.07
	C3	Capacitor, monolithic ceramic	0.1 uF	16V	Panasonic	ECY-2VB1C104K	O8O5	Digi-key	PCC1812CT-ND	$0.07
	C7	Capacitor, monolithic ceramic	0.1 uF	16V	Panasonic	ECY-2VB1C104K	O8O5	Digi-key	PCC1812CT-ND	$0.07
	C8	Capacitor, monolithic ceramic	0.1 uF	16V	Panasonic	ECY-2VB1C104K	O8O5	Digi-key	PCC1812CT-ND	$0.07
	C12	Capacitor, monolithic ceramic	0.1 uF	16V	Panasonic	ECY-2VB1C104K	O8O5	Digi-key	PCC1812CT-ND	$0.07
3	C4	Capacitor, monolithic ceramic	0.47 uF	16V	Panasonic	ECY-2YB1C474K	O8O5	Digi-key	PCC1818CT-ND	$0.17
	C5	Capacitor, monolithic ceramic	0.47 uF	16V	Panasonic	ECY-2YB1C474K	O8O5	Digi-key	PCC1818CT-ND	$0.17
	C6	Capacitor, monolithic ceramic	0.47 uF	16V	Panasonic	ECY-2YB1C474K	O8O5	Digi-key	PCC1818CT-ND	$0.17
1	C9	Capacitor, tantalum	1.0 uF	16	Panasonic	ECS-T1CY105R	EIA-A	Digi-key	PCS3105CT-ND	$0.38
2	C10	Capacitor, tantalum	6.8 uF	16	Panasonic	ECS-T1CY685R	EIA-A	Digi-key	P11315CT-ND	$0.50
	C11	Capacitor, tantalum	6.8 uF	16	Panasonic	ECS-T1CY685R	EIA-A	Digi-key	P11315CT-ND	$0.50
1	J2	Header, gold	2-pin	0.1"	Molex/Waldom	22-11-2022	-	Digi-key	WM2700-ND	$0.62
1	U3	IC, regulator, adjustable	-	-	Linear Tech.	LT1761ESS-BYP	SOT-23	Digi-key	LT1761ES5-BYP-ND	$0.96
2	U1	IC, op-amp	-	-	TI	TLV2244IDR	SO-14	Digi-key	296-10511-1-ND	$1.46
	U2	IC, op-amp	-	-	TI	TLV2244IDR	SO-14	Digi-key	296-10511-1-ND	$1.46
1	PCB1	Printed wiring boad	-	-	expresspcb.com	-	-	-	-	$50.00
12	R1	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R5	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R6	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R7	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R9	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R10	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R11	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R12	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R14	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R15	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R16	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
	R17	Resistor, 1%	20.00 K	1/10W	Panasonic	ERJ-6ENF2002V	O8O5	Digi-key	P20.0KCCT-ND	$0.02
1	R2	Resistor, 1%	34.0 K	1/10W	Panasonic	ERJ-6ENF3402V	O8O5	Digi-key	P34.0KCCT-ND	$0.02
1	R3	Resistor, 1%	0	1/10W	Panasonic	ERJ-6ENF3402V	O8O5	Digi-key	P0.0ACT-ND	$0.02
1	R4	Resistor, 1%	2.00 K	1/10W	Panasonic	ERJ-6ENF0202V	O8O5	Digi-key	P2.00KCCT-ND	$0.02
1	R8	Resistor, 5%	10M	1/10W	Panasonic	ERJ-6GEY1006V	O8O5	Digi-key	P10MACT-ND	$0.02
1	R5	Resistor, 1%	10	1/10W	Panasonic	ERJ-6ENF10R0V	O8O5	Digi-key	P10.0CCT-ND	$0.02
1	R18	Resistor, 1%	11.8 K	1/10W	Panasonic	ERJ-6ENF1182V	O8O5	Digi-key	P11.8KCCT-ND	$0.02
6	TP1	Test point	Compact		Keystone	5016	-	Digi-key	5016KCT-ND	$0.23
	TP2	Test point	Compact		Keystone	5016	-	Digi-key	5016KCT-ND	$0.23
	TP3	Test point	Compact		Keystone	5016	-	Digi-key	5016KCT-ND	$0.23
	TP4	Test point	Compact		Keystone	5016	-	Digi-key	5016KCT-ND	$0.23
	TP5	Test point	Compact		Keystone	5016	-	Digi-key	5016KCT-ND	$0.23
	TP6	Test point	Compact		Keystone	5016	-	Digi-key	5016KCT-ND	$0.23

$61.94