

Sheet1

designator	part	value	type	comments
U1	codec	WM8731	28-SSOP	part# WM8731SEDS/V @ mouser
U2	level shifter	7AHC126	14-SOIC	
X1	crystal	11.2896MHz	HC49US	part# 695-HCM49-112-U @ mouser
R1	resistor	910	thick film	0805
R2	resistor	910	thick film	0805
R3	resistor	10k	thick film	0805
R4	resistor	10k	thick film	0805
R5	resistor	10k	thick film	0805
R6	resistor	10k	thick film	0805
R7	resistor	220	thick film	0805
R8	resistor	220	thick film	0805
R9	resistor	10k	thick film	0805
C1	capacitor	10uF	ceramic	0805
C2	capacitor	10uF	ceramic	0805
C3	capacitor	10nF	ceramic	0805
C4	capacitor	10nF	ceramic	0805
C5	capacitor	220uF/10V	electrolytic	2.5mm LS, 6.3mm D, 11mm H
C6	capacitor	220uF/10V	electrolytic	2.5mm LS, 6.3mm D, 11mm H
C7	capacitor	.1uF	ceramic	0805
C8	capacitor	.1uF	ceramic	0805
C9	capacitor	.1uF	ceramic	0805
C10	capacitor	10uF	ceramic	0805
C11	capacitor	10uF	ceramic	0805
C12	capacitor	.1uF	ceramic	0805
C13	capacitor	10uF	ceramic	0805
C14	capacitor	10uF	ceramic	0805
C15	capacitor	.1uF	ceramic	0805
C16	capacitor	10uF	ceramic	0805
C17	capacitor	.1uF	ceramic	0805
C18	capacitor	.1uF	ceramic	0805
C19	capacitor	.1uF	ceramic	0805
C20	capacitor	16pF	ceramic	0805
C21	capacitor	16pF	ceramic	0805
MOD0	potentiometer	10kB		Alpha (part# 2090F-10k @ mouser)
MOD1	potentiometer	10kB		Alpha (part# 2090F-10k @ mouser)
LINE_IN	1/8" jack		stereo	Kobiconn 161-2805-E or CUI SJ1-3515-SMT
HP_OUT	1/8" jack		stereo	Kobiconn 161-2805-E or CUI SJ1-3515-SMT
J1 – J4	header	.1" SIP		