



AMPLIFIER CAN DRIVE ONE 4-OHM SPEAKER OR TWO 8-OHM SPEAKERS

AUDIO LINE LEVEL = 2Vp-p MAX
26dB GAIN DELIVERS 40Vp-p
Vrms = 14.14V
Power = 14.14² / 8-ohms = 25W } High Power

AUDIO LINE LEVEL = 1.4Vp-p MAX
26dB GAIN DELIVERS 28Vp-p
Vrms = 9.9V
Power = 9.9² / 8 = 12.25W } Low Power

Main Audio Output

LINE-OUT

TO Electret Mic

CODEC CONFIGURED FOR TWI (I2C) CONTROL INTERFACE
ADDRS = 0011011

CONNECT THERMAL PAD UNDER U6 TO THE GND PLANE USING MULTIPLE VIAS.

GAIN1	GAIN0	Amplifier Gain (dB)
LOW	LOW	20
LOW	HI	26
HI	LOW	32
HI	HI	36

2555 Garden Road Monterey, CA 95940 (831) 373-2601		CyberData Corporation	
Approvals	Date	V3 Paging Amp / V3 Speaker	
Drawn: Conner	10-28-15	Size D	Drawing Number: 100-99-1061
Checked:		Scale NONE	AUDIO
Approved:		Sheet 4 of 4	Rev G
Updated: Conner	5-24-16		

When Microsemi AEC is installed:
Populate: H1, FB24, C253, C240, C37, R216, R224, R206 & C178
Depopulate: R212, R205 & C207