Evaluation Kit

APPLICABLE PARTS (SOLD SEPARATELY)

• PA75CX

INTRODUCTION

Fast, easy breadboarding of circuits using the PA75CX is possible with the EK33 PC board. Mounting holes are provided and the provision for standard banana jacks simplifies connection and testing. Components are labeled on both sides of the board for ease in probing. This kit is not suitable for PA75CC or PA75CD.

A multitude of circuit configurations are possible; therefore, some components may be omitted depending on the desired circuit.
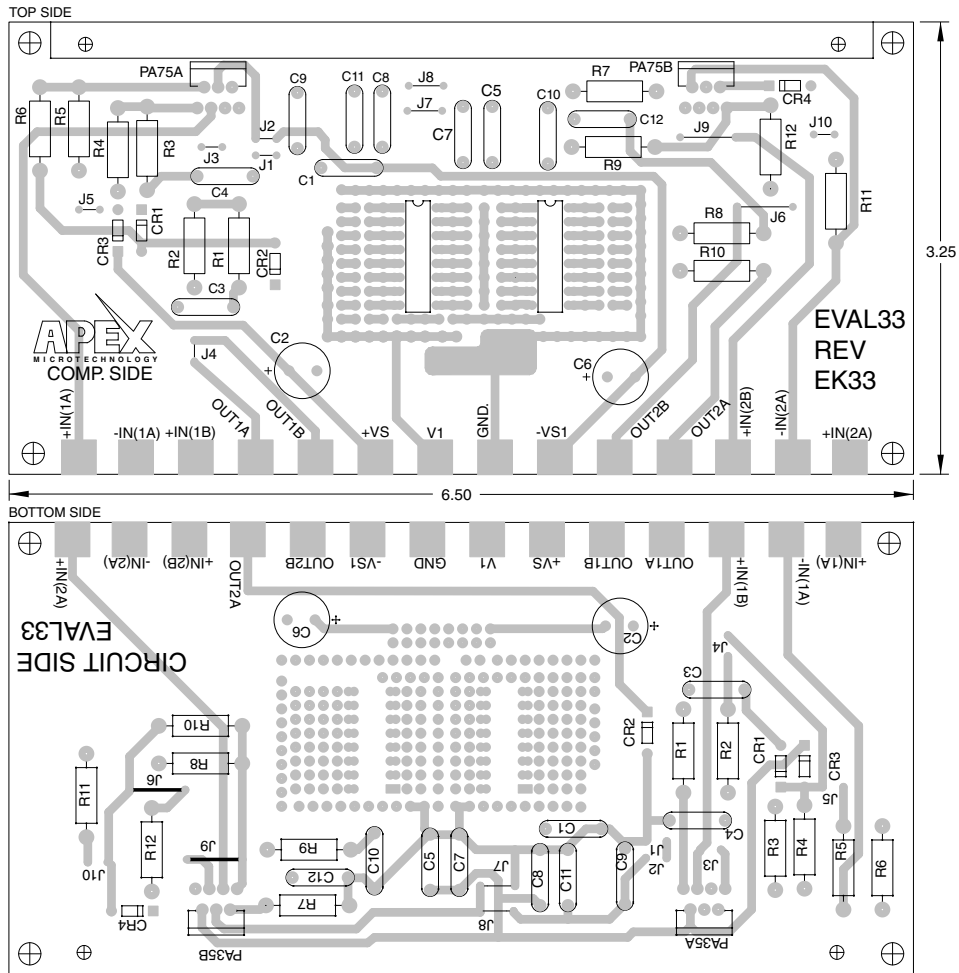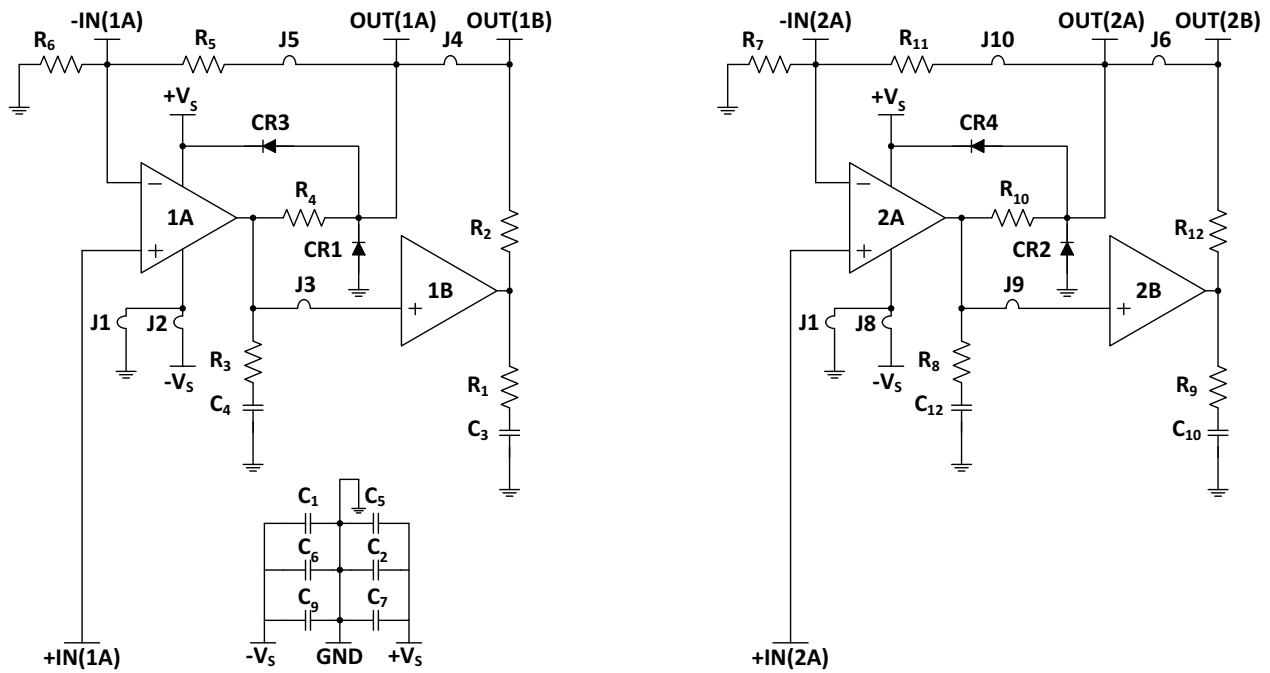
Figure 1: PCB Layout

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Figure 2: Equivalent Schematic

TYPICAL COMPONENT FUNCTIONS

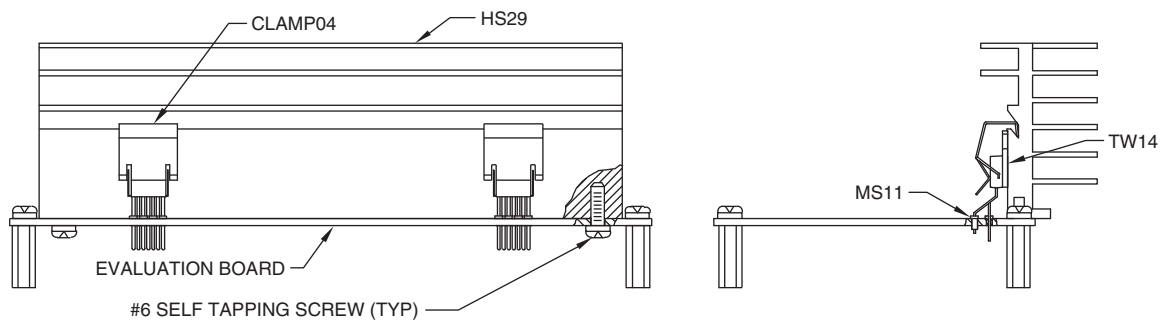| Component	Function
C1, C2, C5, C6, C7, C9	Power Supply bypasses MUST be used for each amplifier. Usually ceramic types of .01µF to 1.0µF, as well as, 10µF of capacitance per ampere of output current.
R11, R5	Feedback resistors
The following locations should be jumpered unless used otherwise (their most common function is listed).	
J3, J9	Output amp a to input amp b
J2, J8	-Vs
J4, J6	Connects paralleling output a to output b
J5, J10	Connects feedback for amp a
The following locations should be left open unless used otherwise (their most common anticipated function is listed)	
J1, J7	Connects -Vs to ground reference

The function of all other components is up to the designer's circuit needs.

PARTS LIST

Reference	Manufacturer Part #	Description	QTY
	EVAL33	Evaluation Board	1
	CLAMP04	Clamp for HS29	2
	MS11	Pin Receptacle, 30 pin strip	1
	TW14	Thermal Washer TO-220 (10/Pack)	1
	HS29	Heat Sink, 2.7°C/W	1

Figure 3: Assembly

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