EK-SA50

INTRODUCTION

Fast, easy breadboarding of circuits using the SA50 are possible with the EK-SA50 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.
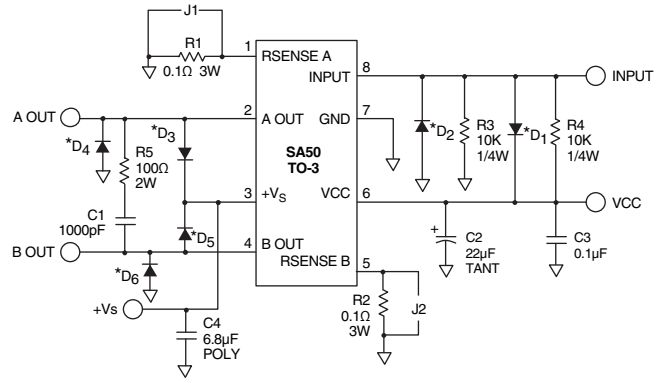
TYPICAL COMPONENT FUNCTIONS

C2, C3, C4 Power supply bypass capacitors
R3, R4 Resistor divider to set the input voltage at 50% of Vcc under nominal conditons
R5, C1 Snubber network
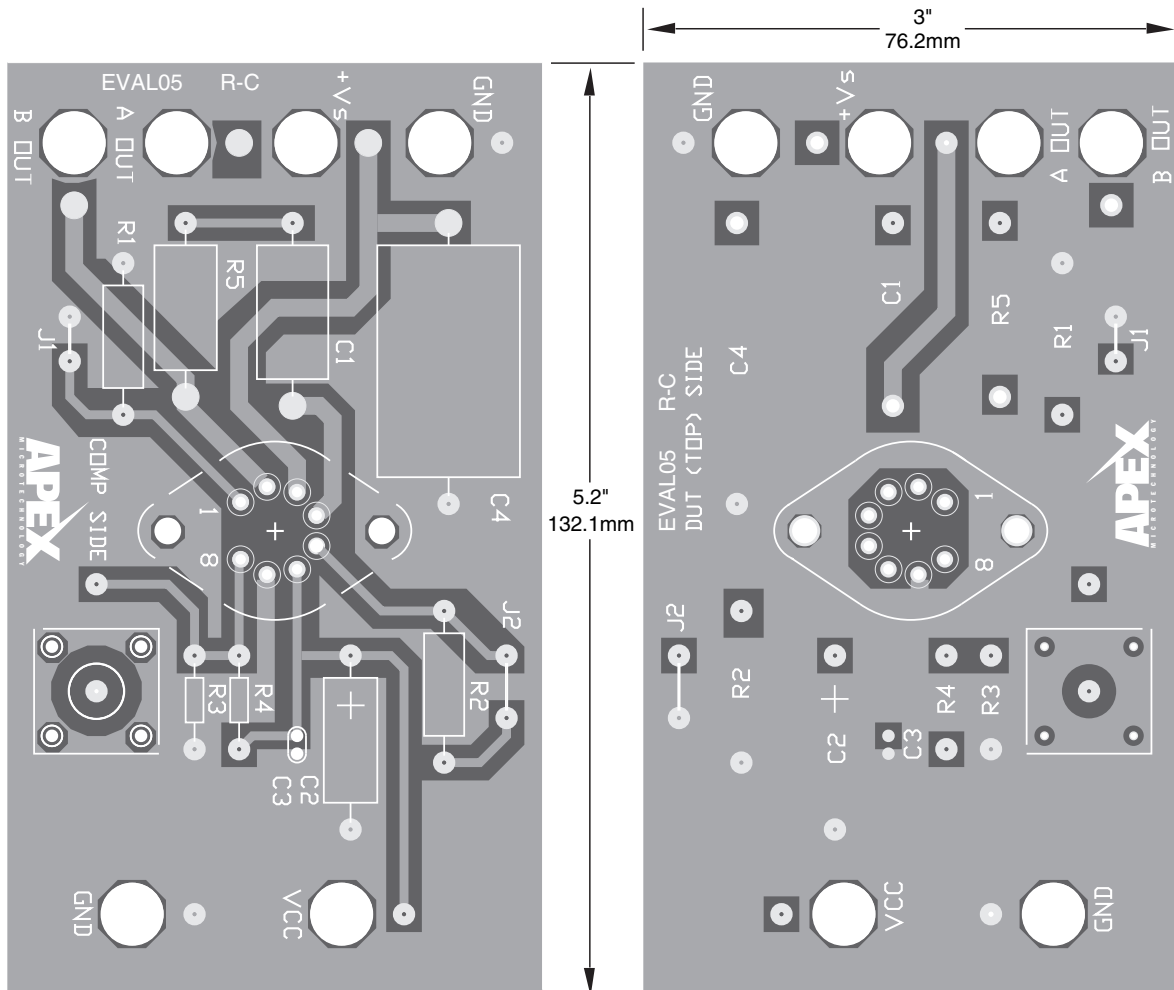**R1, R2** Current sensing resistors or jumpered to ground

PARTS LIST

Part #	Description	Quantity
EVAL05	P.C. Board	1
HS14	Heatsink	1
MS03	Mating Socket	1
TW03	Thermal Washers	1 bag of 10

EQUIVALENT SCHEMATIC

* D_1 and D_2 – Input protection, high speed such as IN4148.
D_3 through D_6 – Flyback protection, high speed (<200nS).
Solder as close to SA50 as possible.

NOTE: Illustration only, not to exact scale.