

EK-SA51

EQUIVALENT SCHEMATIC

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INTRODUCTION

Fast, easy breadboarding of circuits using the SA51 are possible with the EK-SA51 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

R4, C1 Snubber network

R1 Current sensing resistor or jumpered to ground

R2, R3 Input resistors

PARTS LIST

Part #	Description	Quantity
EK-SA51PC	P.C. Board	1
HS14	Heatsink	1
MS03	Mating Socket	1
TW03	Thermal Washers	1 bag of 10

R4 100Ω RSENSE +Vs 0.1Ω 3W ∇ 1000pF A OUT **BOUT** BOUT (A OUT **SA51** *D3 TO-3 vcc (VCC INPU^T () INPUT R3 10K 1/4W DISABLE C3 ∇22μF TANT DISABLE (High Speed (<200 nS) for flyback protection. 10K 1/4W Voltage and current to suit application. Solder as close to SA51 as possible.

3"

76.2mm

NOTE: Illustration only, not to exact scale.