

Evaluation Kit

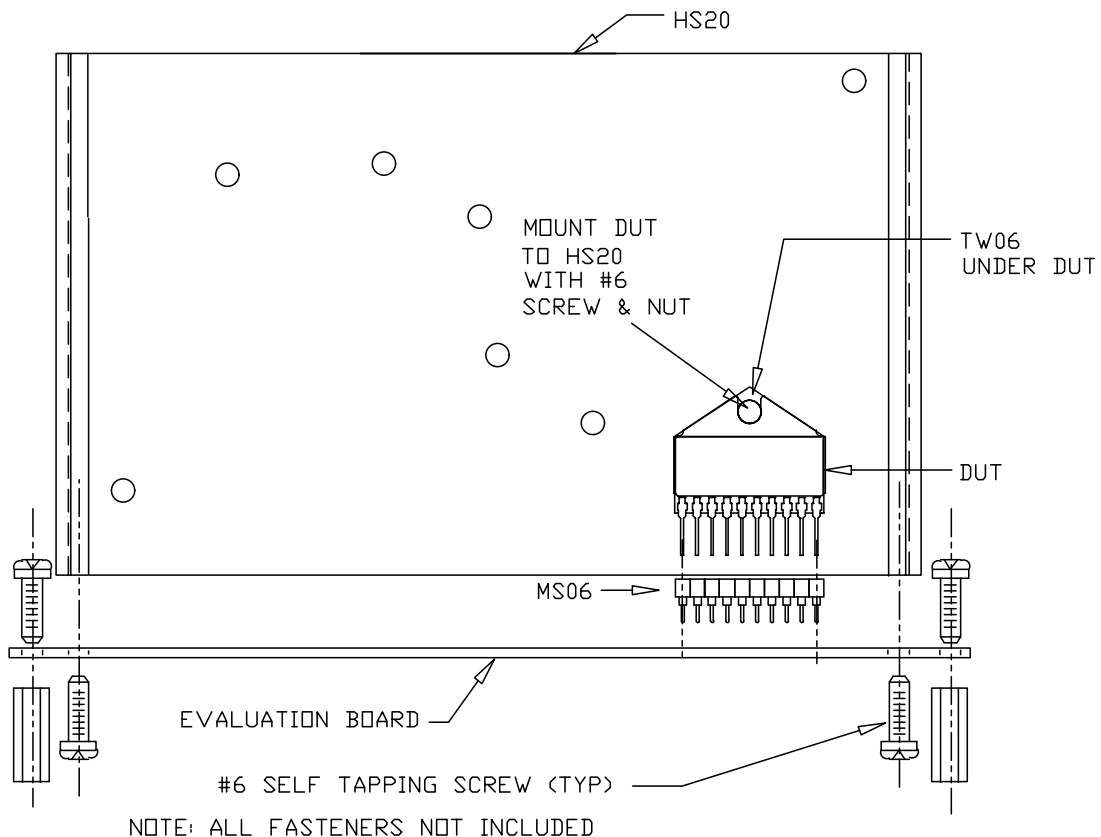
APPLICABLE PARTS (SOLD SEPARATELY)

- SA60
- SA160 Pin-Out

INTRODUCTION

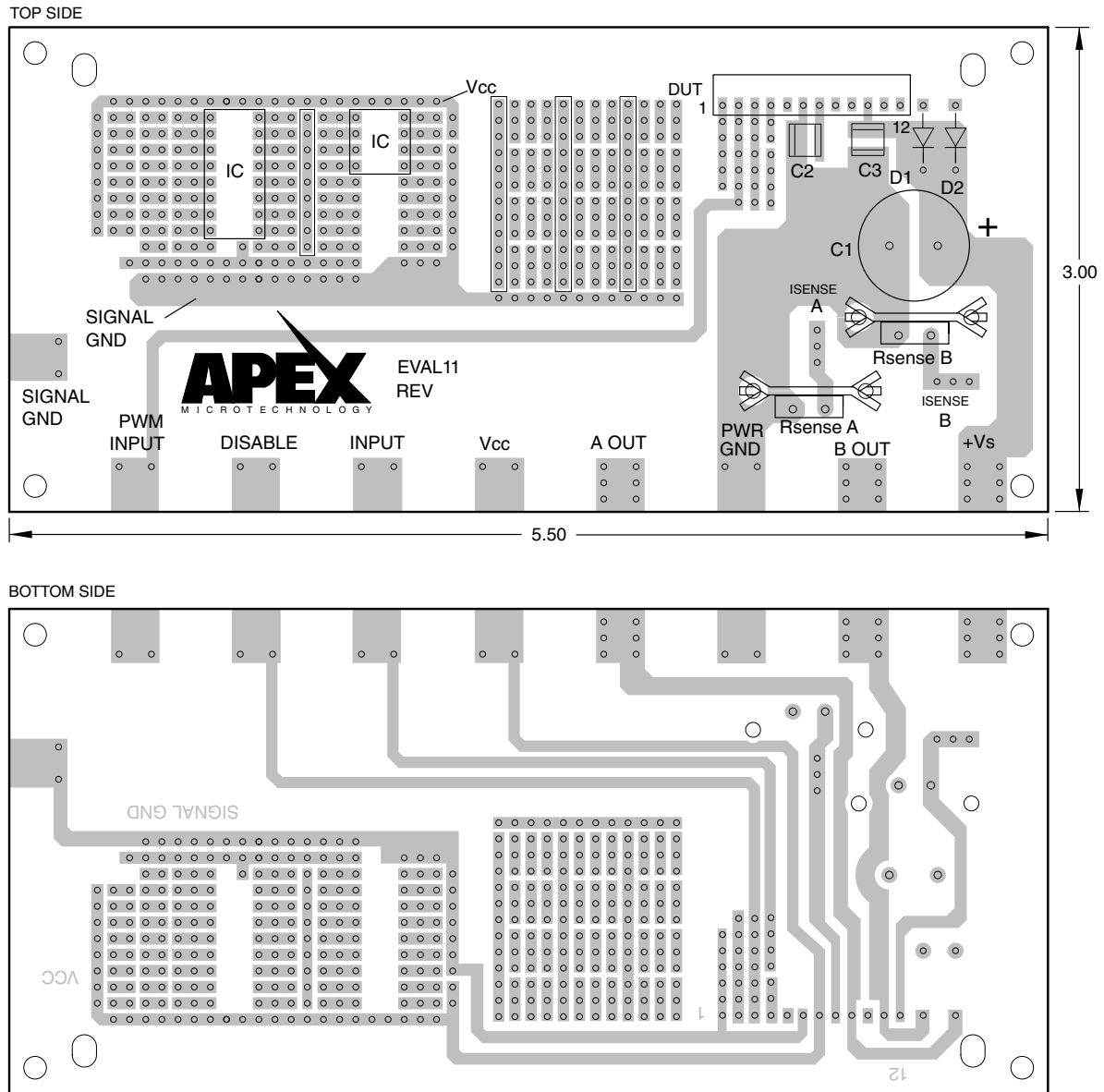
Fast and easy breadboarding of circuits using the SA60/SA160 are possible with the EK06 evaluation kit. The amplifier may be mounted vertically with the HS20 heat sink, or horizontally. Connections are provided for required power supply bypassing recommended protection components, as well as optional current sense resistors. A large area for component mounting provides flexibility and makes a multitude of circuit configurations possible.

Figure 1: Assembly Diagram for EK06



Note: SA60 Not Recommended for new design in.

Figure 2: PCB Board



PARTS LIST

Reference	Manufacturer Part #	Description	QTY
<u>Printed Circuit Board</u>			
EVAL11	EVAL11	Printed Circuit Board	1
<u>Capacitors</u>			
C2, C3	OX7R105KWN	1uF, Ceramic Capacitor	2
<u>Resistors</u>			
Rsense A, Rsense B	MP930-0.10-1%	0.1Ω, 1%	2
<u>Hardware</u>			
	HS20	HEATSINK	1
	HS22	HEATSINK	2
	TW07	THERMAL WASHER (PACK OF 10 PCS)	1
	MS06	MATING SOCKET	1

BEFORE YOU GET STARTED:

- All Apex Microtechnology amplifiers should be handled using proper ESD precautions.
- Always use the heat sink and thermal washers included in this kit.
- Always use adequate power supply bypassing.
- Do not change connections while the circuit is powered.
- Initially set all power supplies to the minimum operating levels allowed in the device data sheet.
- Check for oscillations.
- Power ground and signal ground must be separated to avoid switching noise in the DUT.

CAUTION

Use the supplied thermal washers or thermal grease between the power amplifier and the heat sink