

## *PWM Amplifier Support Components*

### **EVALUATION KIT**

EK56 is an easy to use engineering platform for prototype evaluation. The PC board is also a good starting point for an application specific layout. Provided items include: PC board, heatsink rated at 0.5°C/W, cage jacks, ceramic bypass capacitors, an electrolytic bypass capacitor, three values of current limit resistors with heatsinks, four banana jacks, a high current I/O screw connection terminal strip, and spacers. The amplifier is sold separately. Common hardware such as screws, nuts and BNC connectors are not provided.

### **HEATSINK**

The HS26 heatsink is mechanically compatible with this amplifier. Thermal rating with optimum mounting in free air is 0.5°C/W. Forced air at 150LFPM will reduce thermal resistance to 0.37°C/W. Forced air at 500LFPM will reduce thermal resistance to 0.2°C/W.

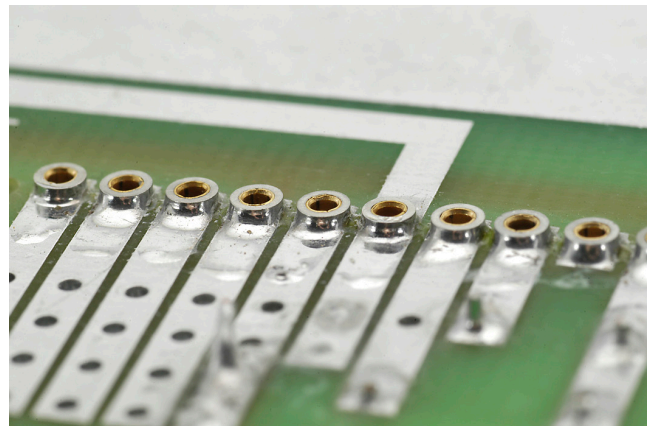
#### **HS26**



### **CAGE JACKS**

Part number MS11 consists of a carrier strip of 30 cage jacks. The strip can easily be cut to any desired number of cage jacks. These are mounted directly in a print circuit board. After soldering, the carrier is pulled off the cage jacks. Use a spacer between the PCB and the heatsink to avoid short circuits.

#### **MS11**



## THERMAL INTERFACE

Apply a thin even layer of thermal grease to the amplifier. A straight edge is useful here. Place amplifier on the heatsink and with thumbs apply pressure while moving in a circular motion to insure a void free interface. Insert fasteners and torque lightly.

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## NEED TECHNICAL HELP? CONTACT APEX SUPPORT!

For all Apex Microtechnology product questions and inquiries, call toll free 800-546-2739 in North America.

For inquiries via email, please contact [apex.support@apexanalog.com](mailto:apex.support@apexanalog.com).

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