

## *PWM Amplifier Support Components*

### EVALUATION KIT

EK15 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 1°C/W, cage jacks, thermal washers, ceramic bypass capacitors, an electrolytic bypass capacitor, a screw connection terminal strip for high current I/O, two values of current limit resistors with heatsinks, and spacers. The amplifier is sold separately. Common hardware such as screws, nuts and user's preference for low current I/O connectors are not provided.

### HEATSINKS

The following heatsinks are mechanically compatible with this amplifier. Thermal ratings are for optimum mounting in free air.

**HS06 0.96°C/W**



**HS11 0.68°C/W**

With liquid cooling the HS11 thermal rating can be reduced to 0.1°C/W.



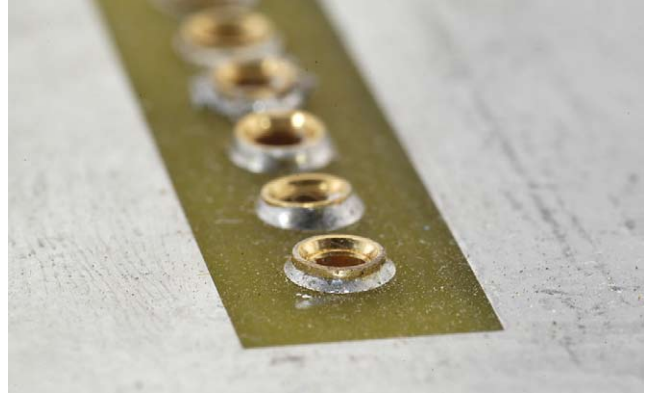
**HS18 1°C/W**



## CAGE JACKS

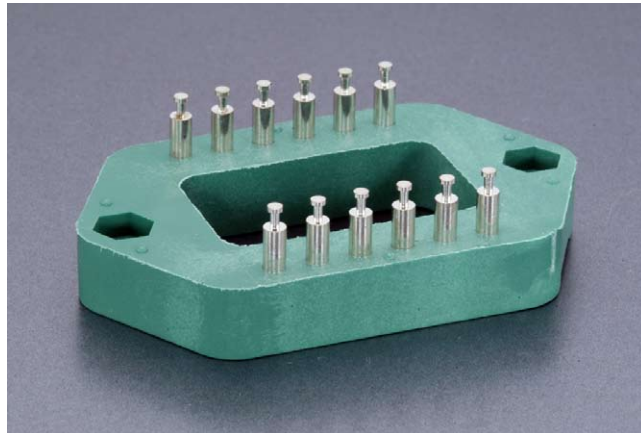
### MS04

Part number MS04 consists of a package of 12 cage jacks. These are mounted directly in a print circuit board. Use a spacer between the PCB and the heatsink to avoid short circuits.



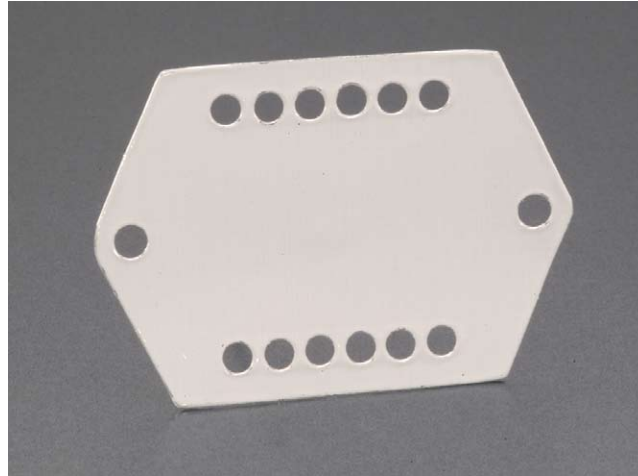
## SOCKET

### MS05



## THERMAL WASHER

### TW05



#### NOTES:

1. Base material is aluminum, 0.002" thick. Do not allow the washer to touch pins of the amplifier.
2. For optimum thermal transfer, avoid abrasive handling of washers which can damage their 0.5mil thick layer of thermal compound with which each side is coated.
3. The dry thermal compound will flow filling header to heatsink voids as soon as the material reached 60°C.
4. Do not store unused thermal washers above 40°C.
5. A new washer must be used for each mounting.
6. Part number TW05 consists of a package of 10 washers.
7. Thermal resistance is 0.05°C/W.

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## CONTACTING CIRRUS LOGIC SUPPORT

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

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

International customers can also request support by contacting their local Cirrus Logic Sales Representative.

To find the one nearest to you, go to [www.cirrus.com](http://www.cirrus.com)

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