

## Heatsinks

Description	Digi-Key Part No.	Price Each		Cirrus Logic Part No.
		1	25	
Hardware Kit for DK (12-SIP) Package	598-1366-ND	7.16	6.36	HK26
Heatsink, TO-3	598-1367-ND	30.53	25.79	HS01
Heatsink, TO-3	598-1368-ND	34.74	29.34	HS02
Heatsink, TO-3	598-1369-ND	66.79	56.24	HS03
Heatsink, PDIP	598-1370-ND	73.42	61.83	HS06
Heatsink, TO-3	598-1371-ND	11.66	10.37	HS09
Heatsink, TO-3 and PDIP	598-1372-ND	274.29	238.90	HS11
Heatsink, TO-3	598-1373-ND	59.09	49.76	HS14
Heatsink, Vertical Mount	598-1374-ND	113.00	98.71	HS20
Heatsink, TO-220	598-1375-ND	4.05	3.38	HS22
Heatsink, SMT	598-1376-ND	14.95	13.46	HS24
Heatsink, Modular Package	598-1377-ND	151.41	132.26	HS26

◆ RoHS Compliant

## Sockets

Description	Digi-Key Part No.	Price Each		Cirrus Logic Part No.
		1	25	
Socket, TO-3-8	598-1384-ND	35.21	29.74	MS03
Socket, 12-DIP	598-1386-ND	55.44	49.90	MS05

Description	Digi-Key Part No.	Pkg. Qty.	Price/Pkg.	Cirrus Logic Part No.
Pin Receptacle for .048 - .064 Diameter Pins	598-1385-ND	12	32.40	MS04
Mating Socket for .015 - .025 Diameter Pins	598-1387-ND	2	10.80	MS06

◆ RoHS Compliant

## Evaluation Kits

### DB62 Demonstration Board for SA305EX

The DB62 is designed to demonstrate the capabilities of the SA305EX as a 3-phase brushless DC motor driver IC. The PWM inputs to the SA305 are controlled by an on-board microcontroller. The EVAL49 board is pre-wired for all required and recommended external components.

598-1394-ND (DB62) ..... \$269.24

### EK06 Evaluation Kit for SA60

Fast and easy bread boarding of circuits using the SA60 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.

598-1388-ND (EK06) ..... \$95.81

### EK09 Evaluation Kit for TO-3 and MO-127 Packages

This kit provides a solid mechanical platform with good shielding and grounding to breadboard eight pin TO-3 packages or the MO-127 package with 0.060" pins. This kit is intended as an alternate for kits dedicated to specific amplifiers. Construction will involve surface mounting and 3D techniques. Holes are provided to mount standard banana and BNC connectors for I/O.

598-1389-ND (EK09) ..... \$85.31

### EK16 Evaluation Kit for PA92/PA93

This easy-to-use kit provides a platform for the evaluation of linear power amplifiers circuits using the PA92/PA93 pin-out. With ample bread boarding areas it is flexible enough to analyze a multitude of standard or proprietary circuit configurations. Critical connections for power supply bypassing, compensation, and current limiting are pre-wired. Components not usually readily available in engineering labs are provided. External connection to the evaluation kit can be made via the terminals at the edge of the circuit board. These terminal pads are suitable for standard banana jacks or direct soldering of wires.

598-1390-ND (EK16) ..... \$122.06

### EK34 Evaluation Kit for PA240CX

Fast, easy bread boarding of circuits using the PA240CX are possible with the EK34 PC board. Mounting holes are provided and the provision for standard banana jacks simplifies connection and testing. The amplifier may be mounted horizontally or vertically. Components are labeled on both sides of the board for ease in probing.

A multitude of circuit configurations are possible, so only several component locations have specific functions and will usually be necessary. This kit is not suitable for use with PA240CC.

598-1391-ND (EK34) ..... \$79.85

### EK50 Evaluation Kit for PB50/PB58 Power Boosters

This easy-to-use kit provides a platform for the evaluation of the PB50 and PB58 high voltage power boosters. The PB50 and PB58 are designed most commonly in combination with a small signal, general purpose op amp. However, they can also be used to analyze a multitude of standard or proprietary circuit configurations.

598-1392-ND (EK50) ..... \$66.50

### EK52 Evaluation Kit for MP230FC/MP240FC

This easy-to-use kit provides for the evaluation of linear power amplifiers circuits using the MP230FC/MP240FC pin-out. With ample bread boarding areas it is flexible enough to analyze a multitude of standard or proprietary circuit configurations. Critical connections for power supply bypassing are pre-wired. Components not usually readily available in engineering labs are provided. External connection to the evaluation kit can be made via the terminal block and the banana jacks at the edges of the circuit board. Additionally, an optional BNC connector can be inserted into the hole at the edge of the board and wired to the number 5 terminal pad.

598-1396-ND (EK52) ..... \$177.73

## EK60 Evaluation Kit for PA78

The EK60 evaluation kit is designed to provide a convenient way to bread board design ideas for the PA78EU power operational amplifiers. The EVAL60 evaluation board is pre-wired for all required and recommended external components including the ones for power supply bypassing, compensation and current limiting. The EVAL60 also includes a bread board area for constructing your application circuit with provisions for a preamplifier to drive the PA78 inputs.

598-1395-ND (EK60) ..... \$148.75

## EK61 Evaluation Kit for PA78DK and PA79DK

Fast and easy bread boarding of circuits using the PA78DK or PA79DK is possible with the EK61 evaluation kit. The EK61 includes both the universal EVAL36 board and the EVAL61 substrate. The use of EVAL36 and EVAL61 allows for a large area of bread boarding space to work with while allowing a surface mount substrate for the PA78DK or PA79DK. The PA78DK or PA79DK amplifier may be surface mounted directly to the EVAL61, a thermally conductive but electrically isolated substrate. The PA78DK or PA79DK is soldered to a DUT foil footprint area the size of the heatslug. The metal substrate is cost effective and can allow the PA78DK or PA79DK to dissipate power up to the datasheet rating.

598-1398-ND (EK61) ..... \$70.75

## EK62 Evaluation Kit for SA305EX 3-Phase Motor Driver

The EK62 evaluation kit is designed to provide a convenient way to bread board design ideas for the SA305EX. The PB119 evaluation board is pre-wired for all required external components including the ones for power supply bypassing and current sensing. The PB119 also includes a bread board area for constructing your application circuit.

598-1393-ND (EK62) ..... \$221.11

## Thermal Washers

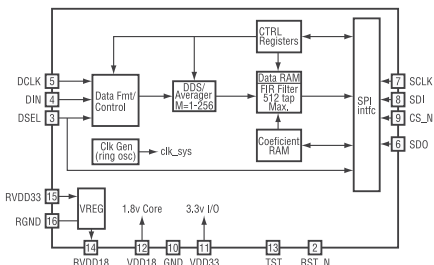


Description	Digi-Key Part No.	Pkg. Qty.	Price/Pkg.	Cirrus Logic Part No.
Thermal Washer, TO-3	598-1378-ND	10	20.55	TW03
Thermal Washer, PDIP	598-1379-ND	10	34.29	TW07
Thermal Washer, PDIP	598-1380-ND	10	28.78	TW10
Thermal Washer, SIP	598-1381-ND	15	30.53	TW12
Thermal Washer, SIP	598-1382-ND	10	32.40	TW13

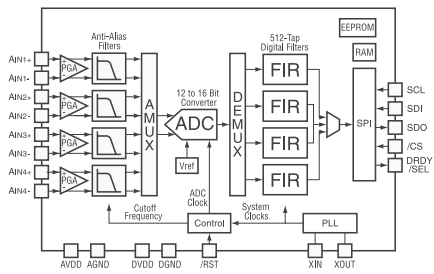


## Programmable Digital Filters

The QF1D512 is a single channel, programmable digital filter designed for seamless insertion in the serial data path of a digital signal or used as an FIR coprocessor. The circuit shows the QF1D512 operating between an ADC and an MCU. The device can be programmed using the Quickfilter Design Software which supports most FIR digital filter configurations. The FIR filter has 512 taps capable of generating "brick wall" filters such as a low pass filter with a 1kHz cutoff frequency, 140dB of rejection, and a total transition band of only 10Hz. The filter can operate over a broad range of ADC data rates - from 10sps up to 500ksps and can support ADCs with resolutions ranging from 12 to 24 bits.



The QF4A512 Programmable Signal Converter is a 4-channel, signal conditioner and signal converter. Each channel can be individually programmed for the gain, anti-aliasing filter cutoff frequency, A-to-D sampling frequency, and unique filter requirements. This is accomplished with 4 separate high-precision 512-tap FIR filters. Quickfilter software has been created for rapid device configuration and filter design at performance levels unattainable with analog components.



Description	Digi-Key Part No.	Price Each	25	Quickfilter Technologies Part No.
IC SavFIRe Digital Filter 1-Channel 16-QFN	686-1001-1-ND	2.23	1.52	QFN1D512-QN-T
IC SavFIRe Digital Filter 1-Channel 16-QFN	686-1001-2-ND	1151.45	1,000	QFN1D512-QN-T
IC Programmable Signal Conv. 4-Ch. 32-LQFP	686-1002-ND	13.33	10.49	QF4A512A-LQ-B
Development Kit for QF1D512	686-1003-ND	199.00	—	QF1D512-DK
Development Kit for QF4A512	686-1004-ND	199.00	—	QF4A512-DK
Programmable Adapter for QF4A512-DK	686-1005-ND	180.53	—	QF4A512-PA
Board MSP-MOJO and Expansion Header	686-1006-ND	39.95	—	QF1D512-EZ430
Prototyping Adapter for QF1D512	686-1007-ND	21.28	—	QF1D512-DIPSTER

◆ RoHS Compliant † Cut Tape ‡ Tape and Reel