



## A5940: Three Phase Sensorless Sinusoidal Fan Driver

The A5940 three phase motor driver incorporates sinusoidal drive to minimize audible noise and vibration for medium power fans.

A sinusoidal voltage profile is applied to the windings of the motor at startup to quietly startup and gradually ramp up the motor to desired speed.

This device is available in both automotive and commercial grade.

Additional product technical information and datasheets are available by [contacting the Allegro Factory](#).

### FEATURES & BENEFITS

### PACKAGING

### TECHNICAL DOCS

### NEWS

- 180° sinusoidal drive - low audible noise and vibration
- Motor position using Allegro's sensorless algorithm - eliminates external Hall sensors
- AEC-Q100 Qualified - suitable for automotive applications



### Part Number Specifications and Availability <sup>+</sup>

Part Number	Package Type	Temperature	RoHS Compliant	Part Composition / RoHS Data	Comments	Samples	Check Distributor Stock
APEK5940GEJ-01-T	DEMO BOARD	-20°C to 85°C	No	--		<a href="#">Contact your local sales rep</a>	<a href="#">Check Stock</a>
A5940GEJTR-T	10-lead DFN	-40°C to 105°C	Yes	<a href="#">View Data</a>		<a href="#">Contact your local sales rep</a>	<a href="#">Check Stock</a>
A5940GLKTR-T	10-lead SOIC	-40°C to 105°C	Yes	<a href="#">View Data</a>		<a href="#">Contact your local sales rep</a>	<a href="#">Check Stock</a>
A5940GLNTR-T	10-lead SSOP	-40°C to 105°C	Yes	<a href="#">View Data</a>		<a href="#">Contact your local sales rep</a>	<a href="#">Check Stock</a>
A5940KLKTR-T	10-lead SOIC	-40°C to 125°C	Yes	<a href="#">View Data</a>		<a href="#">Contact your local sales rep</a>	<a href="#">Check Stock</a>

Allegro's products are not to be used in any devices or systems, including but not limited to life support devices or systems, in which a failure of Allegro's product can reasonably be expected to cause bodily harm.

Copyright © 2017 Allegro MicroSystems, LLC

[Sitemap](#) | [Privacy Policy](#) | [Contact Webmaster](#)

Follow us on: [in](#) [v](#) [g+](#)