

NVE Corporation

Product Change Notification

Type: Advanced Product Change Notification
 Product Change Notification

Date: January 20, 2023

PCN Number: PCN-23-01

Subject: Product Discontinuance Notice for AKL00x-Series and DD001 products

NVE part numbers affected:

All parts with a -12E suffix, specifically:

AKL00x-12E Digital Gear-Tooth Sensors

DD001-12E: Signal Processing ICs

Last order date: January 31, 2024

Last ship date: July 31, 2024

Reason for Discontinuance:

The signal processing IC used in these parts uses an obsolete process. Therefore, the parts cannot be manufactured after our present supply of wafers has been exhausted.

Prices:

Prices of the parts have been increased to cover the costs of tooling and manufacturing parts for a last-buy opportunity.

Replacement Parts:

No DD001-12E replacement is available, although the functionality can be replicated with conventional circuitry.

AKL-Series Digital Gear-Tooth Sensors can be replaced with 1- or 2-Bridge Analog Gear Sensors with external circuitry to provide digital outputs. Replacements are summarized in the following table:

Sensor Element Spacing	Digital Gear-Tooth Sensor (EOL)	1-Bridge Analog Gear-Tooth Sensor	2-Bridge Analog Gear-Tooth Sensor
1 mm	AKL001-12E	ABL004	ABL014
0.5 mm	AKL002-12E	ABL005	ABL015
0.3 mm	AKL003-12E	ABL006	ABL016

ABL004-Series Sensors are available in 2.5 x 2.5 mm DFN6 packages (-10E suffix), or MSOP8 packages (-00E suffix). Samples quantities of most of the analog gear-tooth sensors versions are available now.

Questions concerning this notification: sensor-apps@nve.com