A1642LK

Two-Wire True Zero-Speed Miniature Differential Peak-Detecting Sensor IC with Continuous Calibration

Not for New Design

This part is in production but has been determined to be NOT FOR NEW DESIGN. Sale of this part is currently restricted to existing customer programs already using the part. The part should not be purchased for new programs or designed into new applications. Samples are no longer available.

Date of status change: December 5, 2016

Recommended Substitutions:

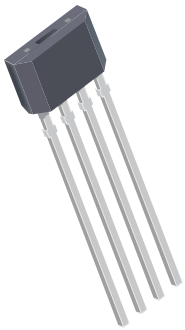
For existing customer transition, and for new customers or new applications, contact Allegro Sales.

NOTE: For detailed information on purchasing options, contact your local Allegro field applications engineer or sales representative.

Two-Wire True Zero-Speed Miniature Differential Peak-Detecting Sensor IC with Continuous Calibration

Datasheet Addendum

PACKAGE:



4-Pin SIP
(Suffix K)

Not to scale

DESCRIPTION

This addendum adds a 4-pin SIP (suffix K) variant to the main datasheet for this device.

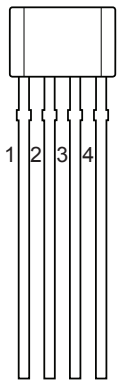
For parameters not listed in this addendum, refer to the main datasheet. In the event of a conflict between this addendum and the main datasheet, this addendum takes precedence.

SELECTION GUIDE

Part Number	I_{CC} Range	Packing*
A1642LKTN-I1-T	4.0 mA Low to 16.0 mA High	Tape and reel, 13-inch reel 4000 pieces per reel
A1642LKTN-I2-T	5.9 mA Low to 16.8 mA High	

*Contact Allegro for additional packing options

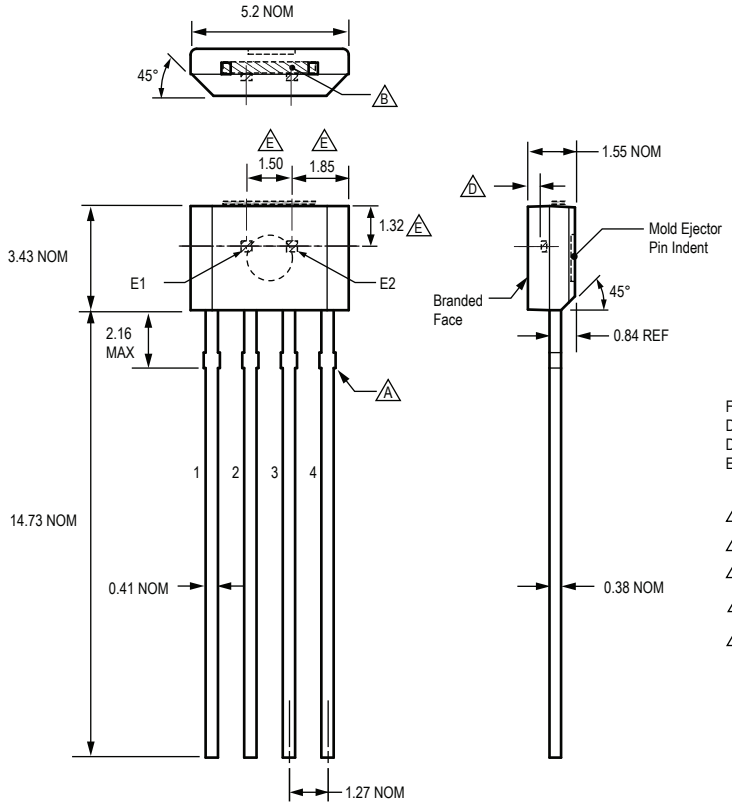
PINOUT DIAGRAM

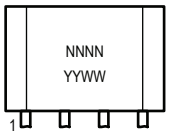


TERMINAL LIST TABLE

Number	Name	Function
1	VCC	Connects power supply to chip
2	NC	No connection
3	Test	Float or tie to GND
4	GND	Ground connection

Package K, 4-Pin SIP





C Standard Branding Reference View

N = Device part number
Y = Last two digits of year of manufacture
W = Week of manufacture

For Reference Only; not for tooling use (reference DWG-9010)
Dimensions in millimeters
Dimensions exclusive of mold flash, gate burrs, and dambar protrusions
Exact case and lead configuration at supplier discretion within limits shown

A Dambar removal protrusion (8X)

B Gate and tie bar burr area

C Branding scale and appearance at supplier discretion

D Active Area Depth, 0.42 mm

E Hall elements (E1 and E2); not to scale

Allegro MicroSystems, LLC
115 Northeast Cutoff
Worcester, Massachusetts 01615-0036 U.S.A.
1.508.853.5000; www.allegromicro.com

REVISION HISTORY

Number	Date	Description
–	November 9, 2016	Initial release

Allegro MicroSystems, LLC
115 Northeast Cutoff
Worcester, Massachusetts 01615-0036 U.S.A.
1.508.853.5000; www.allegromicro.com