



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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High Voltage 7-Channel Voltage Level Translator and 2 RRIO Amplifiers

The ISL24016 is a high performance level translator. It consists of 7-Channel inputs and 14-Channel complementary level translated outputs, and 2 general purpose amplifiers. The level translator OUT_x and \overline{OUT}_x complementary outputs are controlled by V_{INx} logic input signals. Their output high and low voltage levels are set by REFH and REFL inputs respectively. The level shifter is designed to deliver large peak current into highly capacitive loads. The additional dual general purpose amplifiers can be used to create V_{REFH} and V_{REFL} voltages.

The ISL24016 is available in a 32 Ld Thermal Enhanced TQFN package. It is specified for operation over the -40°C to +85°C industrial temperature range.

Ordering Information

PART NUMBER (Note)	PART MARKING	TEMP. RANGE (°C)	PACKAGE (Pb-free)	PKG. DWG. #
ISL24016IRTZ*	ISL240 16IRTZ	-40 to +85	32 Ld TQFN	L32.5x5C

*Add "-T13" suffix for tape and reel. Please refer to TB347 for details on reel specifications

NOTE: These Intersil Pb-free plastic packaged products employ special Pb-free material sets, molding compounds/die attach materials, and 100% matte tin plate plus anneal (e3 termination finish, which is RoHS compliant and compatible with both SnPb and Pb-free soldering operations). Intersil Pb-free products are MSL classified at Pb-free peak reflow temperatures that meet or exceed the Pb-free requirements of IPC/JEDEC J STD-020.

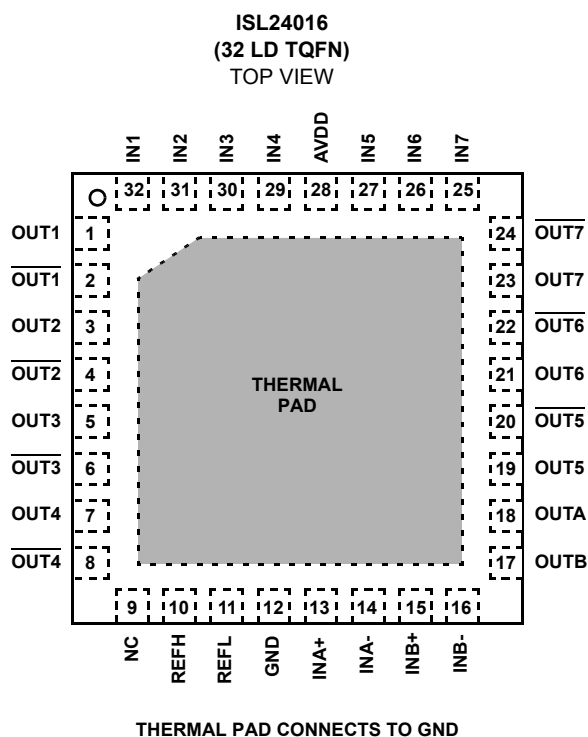
Features

- 18V Output Range
- Rail-to-Rail Output Voltage Range
- 200mA Peak Output Current per Channel
- 45 V/ μ s Level Translator Slew Rate
- Dual Rail-to-Rail Input and Output Amplifiers
- 32 Ld TQFN Package
- Pb-Free (RoHS compliant)

Applications

- TFT-LCD Panels
- Logic Level Translator

Pinout



All Intersil U.S. products are manufactured, assembled and tested utilizing ISO9001 quality systems.
Intersil Corporation's quality certifications can be viewed at www.intersil.com/design/quality

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