



# Parallel ISA NOR Flash

*Compatible with x29GL series*

► ISSI's growing lines of flash products include the IS29GL family of 3-V Parallel NOR flash memories. The IS29GL family of devices are designed to be drop-in replacements to the popular "x29GL" memory products, and it's ideal for applications demanding high performance and throughput. The 29-series is offered in densities ranging from 32Mb to 256Mb. In addition, Parallel NOR ISA is also offered in densities ranging from 512Kb to 32Mb. The industry standard architecture, interfaces, features, and packages allow a simple drop-in solution avoiding costly re-designs. Contact ISSI at [flash@issi.com](mailto:flash@issi.com) or visit our website at [www.issi.com](http://www.issi.com).

## ► The IS29LV/GL Series of Parallel NOR Flash

- Single 2.7V to 3.6V power supply
- Available in densities of 32Mb to 256Mb
- Flexible x8/x16 data bus configuration
- 70ns read access time, 25ns page mode access time
- Sector erase/write protection
  - Erase suspend/resume modes
  - Top/Bottom Boot and High/Low Sector Protection
- **32Mb-64Mb**
  - Top/Bottom Boot Sectors
  - 48-Pin TSOP, 48-Ball BGA package
- **64Mb-256Mb**
  - 64KB/128KB Uniform High/Low Sector Protection
  - 56-Pin TSOP, 64-Ball BGA package
- Available in Industrial Temp (-40 to +85C)
- Automotive grades available A1 (-40 to +85C) (Call Factory)

## ► Applications:

- Instrument Clusters
- Advanced Driver Assistance Systems
- Infotainment consoles
- TV Set Top Boxes
- Printers
- Gaming
- Medical Devices
- Energy
- Military & Aerospace
- 4G / LTE Base Stations
- Routers & Switches
- Home Networking
- Gaming
- Automotive
- Consumer

## Parallel NOR Flash:

Den	Part No.	Speed	Voltage	Remarks	Package Type	Availability
512Kb	IS39LV512	70ns	2.7 to 3.6 V	Uniform	32-Pin PLCC, 32-Pin VSOP	Mass Production
1Mb	IS39LV010	70ns	2.7 to 3.6 V	Uniform	32-Pin PLCC, 32-Pin VSOP	Mass Production
4Mb	IS39LV040	70ns	2.7 to 3.6 V	Uniform	32-Pin PLCC, 32-Pin VSOP	Mass Production
32Mb	IS29LV032T	90ns	2.7 to 3.6 V	Top	48-Pin TSOP 48-Ball (BGA)	Mass Production Auto Samples Available
	IS29LV032B			Bottom		
64Mb	IS29GLA064T	70ns	2.7 to 3.6 V	Top	48-Pin TSOP 48-Ball (BGA)	Sampling
	IS29GLA064B			Bottom		
	IS29GL064H	70ns	2.7 to 3.6 V	High	56-Pin TSOP 64-Ball (BGA)	Sampling
	IS29GL064L			Low		
128Mb	IS29GL128H	70ns	2.7 to 3.6 V	High	56-Pin TSOP 64-Ball (BGA)	Sampling
	IS29GL128L			Low		
256Mb	IS29GL256H	70ns	2.7 to 3.6 V	High	56-Pin TSOP 64-Ball (BGA)	S = 2H/15
	IS29GL256L			Low		