

SPLD GAL Family 10 Macro Cells 83.3MHz 5V 20-Pin PDIP

Manufacturer: [Lattice Semiconductor Corp](#)

Package/Case: DIP

Product Type: Programmable Logic ICs

Lifecycle: Obsolete



Images are for reference only

[Inquiry](#)

General Description

The GAL18V10, at 7.5 ns maximum propagation delay time, combines a high performance CMOS process with Electrically Erasable (E2) floating gate technology to provide a very flexible 20-pin PLD. CMOS circuitry allows the GAL18V10 to consume much less power when compared to its bipolar counterparts. The E2 technology offers high speed (<100ms) erase times, providing the ability to reprogram or reconfigure the device quickly and efficiently. By building on the popular 22V10 architecture, the GAL18V10 eliminates the learning curve usually associated with using a new device architecture. The generic architecture provides maximum design flexibility by allowing the Output Logic Macrocell (OLMC) to be configured by the user. The GAL18V10 OLMC is fully compatible with the OLMC in standard bipolar and CMOS 22V10 devices.

Unique test circuitry and reprogrammable cells allow complete AC, DC, and functional testing during manufacture. As a result, Lattice Semiconductor delivers 100% field programmability and functionality of all GAL products. In addition, 100 erase/write cycles and data retention in excess of 20 years are specified.



Recommended For You

GAL16V8D-25LP

Lattice Semiconductor Corp
DIP20

GAL16V8D-15QJ

Lattice Semiconductor Corp
PLCC20

GAL16V8D-15LPN

Lattice Semiconductor Corp
DIP20

GAL16V8D-10LP

Lattice Semiconductor Corp
DIP

GAL22V10D-15LJ

Lattice Semiconductor Corp
PLCC28

GAL16V8D-15LJN

Lattice Semiconductor Corp
PLCC20

GAL20V8B-15LP

Lattice Semiconductor Corp
DIP24

GAL16V8D-25LJN

Lattice Semiconductor Corp
PLCC

GAL16V8D-10LPN

Lattice Semiconductor Corp
DIP

GAL16V8D-25QPI

Lattice Semiconductor Corp
DIP

GAL20V8B-15LPN

Lattice Semiconductor Corp
DIP

GAL18V10B-20LP

Lattice Semiconductor Corp
DIP20

GAL22V10D-10LJN

Lattice Semiconductor Corp
PLCC

GAL16V8D-25LJI

Lattice Semiconductor Corp
PLCC20

GAL16LV8D-5LJ

Lattice Semiconductor Corp
PLCC20