

## High Performance E2 CMOS PLD Generic Array Logic

<b>Manufacturer:</b>	<a href="#">Lattice Semiconductor Corp</a>
<b>Package/Case:</b>	DIP24
<b>Product Type:</b>	Programmable Logic ICs
<b>Lifecycle:</b>	Obsolete



Images are for reference only

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## General Description

The GAL20V8 , at 5ns maximum propagation delay time, combines a high performance CMOS process with Electrically Eras-able(E2) floating gate technology to provide the highest speed performance available in the PLD market High speed erase times (<100ms) allow the devices to be reprogrammed quickly and efficiently.

The generic architecture provides maximum design flexibility by allowing the Output Logic Macrocell (OLMC) to be configured by the user. An important subset of the many architecture configurations possible with the GAL20V8 are the PAL architectures listed in the table of the macrocell description section. GAL20V8 devices are capable of emulating any of these PAL architectures with full function/fuse map/parametric compatibility.

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

**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

**GAL16LV8D-3LJN**

Lattice Semiconductor Corp  
PLCC20