

## SPLD GAL Family 8 Macro Cells 125MHz 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 GAL16V8, at 3.5 ns maximum propagation delay time, combines a high performance CMOS process with Electrically Erasable (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 GAL16V8 are the PAL architectures listed in the table of the macrocell description section. GAL16V8 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

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### **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