


## Analog Switch Hex SPDT 48-Pin LQFP Tray

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	LQFP48
<b>Product Type:</b>	Switches
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

Inquiry

### General Description

HV209 is a 200V low charge injection 12-channel high voltage analog switch configured as 6 SPDT analog switches intended for medical ultrasound applications. Bleed resistors are integrated on the output switches to eliminate charge built up on the piezo electric transducers. The bleed resistors are at a nominal value of 35kΩ. Using HVCMOS technology, this device combines high voltage bilateral DMOS switches and low power CMOS logic to provide efficient control of high voltage analog signals. The outputs are configured as single-pole double-throw analog switches. Data is shifted into a 6-bit shift register using an external clock. The LE latches the shift register data into the individual switch latches. A logic HI connects a switch common YX to SWX. A logic LOW connects YX to SWX. A logic HI in CL resets all switches to SWX simultaneously.

### Key Features

- HVCMOS® technology for high performance
- Operating voltage of up to 200V
- Output on-resistance typically 22Ω
- Integrated bleed resistors on the outputs
- 5.0V to 12.0V CMOS logic compatibility
- Very low quiescent current consumption (-10μA)
- Low parasitic capacitance
- Excellent noise immunity
- Flexible high voltage supplies



## Recommended For You

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### **HV20220FG-G**

Microchip Technology, Inc

QFP48

### **HV2301FG-G**

Microchip Technology, Inc

LQFP48

### **HV2801K6-G**

Microchip Technology, Inc

QFN

### **HV2221FG-G**

Microchip Technology, Inc

LQFP-48

### **HV2301PJ-G**

Microchip Technology, Inc

PLCC-28

### **HV2631FG-G**

Microchip Technology, Inc

48LQFP

### **MI90869AG2**

Microchip Technology, Inc

BGA

### **MI90812API**

Microchip Technology, Inc

68LPLCC24.2x24.2

### **MI90823AL1**

Microchip Technology, Inc

100-BQFP

### **MI8808AP**

Microchip Technology, Inc

PLCC

### **MI8806AP**

Microchip Technology, Inc

PLCC28

### **MI8804AE**

Microchip Technology, Inc

DIP

### **MI8816AP**

Microchip Technology, Inc

PLCC44

### **MI8809AP**

Microchip Technology, Inc

PLCC28

### **MI8985API**

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PLCC