

## SP Amp Variable Gain Amp Single R-R I/O 5.5V 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** SOP-8

**Product Type:** Amplifier ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The MCP6S91/2/3 are analog Programmable Gain Amplifiers (PGAs). They can be configured for gains from +1 V/V to +32 V/V and the input multiplexer can select one of up to two channels through a SPI port. The serial interface can also put the PGA into shutdown to conserve power. These PGAs are optimized for high-speed, low offset voltage and single-supply operation with rail-to-rail input and output capability. These specifications support single supply applications needing flexible performance or multiple inputs.

### Key Features

Single Channel

SPI Bus to Control Gain and Select Input Channel

Gain Steps of 1, 2, 4, 5, 8, 10, 16 and 32 V/V

Rail-to-Rail Input and Output

Single Supply 2.5V to 5.5V

Extended Temperature Range: -40°C to 125°C

### Recommended For You

#### MCP609-I/SL

Microchip Technology, Inc

SOP14

#### MCP602-I/P

Microchip Technology, Inc

DIP

#### MCP6402T-E/MNY

Microchip Technology, Inc

QFN

**MCP607-I/P**

Microchip Technology, Inc  
DIP8

**MCP6442-E/SN**

Microchip Technology, Inc  
SOP8

**MCP6022-I/P**

Microchip Technology, Inc  
DIP8

**MCP6292-E/SN**

Microchip Technology, Inc  
SOP8

**MCP6H02-E/SN**

Microchip Technology, Inc  
SOP8

**MCP6542-E/SN**

Microchip Technology, Inc  
SOP-8

**MCP6044-I/SL**

Microchip Technology, Inc  
SOP14

**MCP6S26-I/ST**

Microchip Technology, Inc  
TSSOP14

**MCP6041-I/SN**

Microchip Technology, Inc  
SOP8

**MCP6562-E/MS**

Microchip Technology, Inc  
MSOP8

**MCP6N16-100E/MS**

Microchip Technology, Inc  
MSOP8

**MCP6561RT-E/OT**

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