

Processor Supervisor 4.375V 1 Active Low/Open Drain Automotive 3-Pin TO-92 Bag



Images are for reference only

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: TO-92

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The MCP120 is a voltage supervisory device designed to keep a microcontroller in reset until the system voltage has reached the proper level and stabilized. It also operates as protection from brown-out conditions when the supply voltage drops below a safe operating level. MCP120 features an open drain output, and active low reset and is available in a choice of seven different trip voltages. It operates over the extended industrial temperature range (-40°C/+85°C). MCP120 is available in a TO-92, SOT23-3, and SN packages.

Key Features

Holds microcontroller in reset until supply voltage reaches stable operating level

Resets microcontroller during power loss

Precision monitoring of 3V, 3.3V and 5V systems

7 voltage trip points available

Active low RESET pin

Open drain output

Internal pull-up resistor (5 kohm) for MCP130

Holds RESET for 35kΩ (typical)

RESET to VCC = 1.0V

Accuracy of +(-)125mV for 5V systems and +(-)75mV for 3V systems over temp

45uA typical operating current

Temperature range:

Industrial (I): -40C to +85C



Recommended For You

MCP1416T-E/OT

Microchip Technology, Inc
SOT23-5

MCP1825S-1802E/DB

Microchip Technology, Inc
SOT-223

MCP1525T-I/TT

Microchip Technology, Inc
SOT23-3

MCP73831T-2ACI/OT

Microchip Technology, Inc
SOT23-5

MCP1253-ADJI/MS

Microchip Technology, Inc
MSOP8

MCP1700-3302E/TO

Microchip Technology, Inc
TO-92

MCP73832T-2ATI/OT

Microchip Technology, Inc
SOT23-5

MCP1525-I/TO

Microchip Technology, Inc
TO92

MCP1541T-I/TT

Microchip Technology, Inc
SOT23-3

MCP73831T-2DCI/OT

Microchip Technology, Inc
SOT23-5

MCP16311T-E/MS

Microchip Technology, Inc
MSOP8

MCP16331T-E/CH

Microchip Technology, Inc
SOT23-6

MCP1754ST-5002E/CB

Microchip Technology, Inc
SOT-23

MCP1754ST-3302E/CB

Microchip Technology, Inc
SOT-23

MCP102T-315E/TT

Microchip Technology, Inc
SOT23