
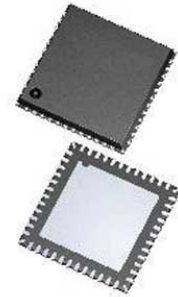


## Power Over Ethernet PSE Controller 44V 57V 48-Pin QFN EP

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	QFN48
<b>Product Type:</b>	Power Management ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

PD69104B is a four-port, Power over Ethernet (PoE) Manager. It enables network devices to share power and data over a single cable. The PD69104B PoE Manager chip is employed by both Ethernet switches and Midspans. The device integrates power, analog circuitry and state of the art control logic into a single 48-pin plastic QFN package. The PD69104B device is a four-port, mixed-signal, high-voltage PoE Manager. The PD69104B, supports detect legacy/pre-standard PD devices. It also provides PD real-time protection through the following mechanisms: overload, under-load, over-voltage, over-temperature, and short-circuit. The PD69104BIF supports supply voltages between 44V and 57V with no need for additional power supply sources and has a built-in thermal protection. The PD69104B is a low power device that uses internal MOSFETs and external 0.36ohm sense resistors. The PD69104B is available in a 48 leads, 8 mm x 8 mm QFN package, and in two temperature range versions: PD69104BIFILQ (full industrial temperature range) and PD69104B1ILQ-TR (-10° to +85°C) PD69104B modes of operation MSCC Extended Auto mode Stand-alone mode in which the PD69104B detects IEEE802.3af-2003 compliant PDs (Powered Devices) and IEEE802.3at-2009 High Power devices, ensuring safe power feeding and disconnection of ports based on a power management algorithm while employing a minimum of external components. Semi Auto mode Allows the host to control which devices are powered and which are not, as well as to communicate with the PD69104B and to configure it. Auto mode Allows turning PDs on and off automatically. Used for systems with a full power supply. The PD69104BIF executes all real time functions as specified in the IEEE802.3af-2003 ("AF") and IEEE802.3at High Power ("AT") standards, including load detection, "AF" and "AT" classifications, and using Multiple Classification Attempts (MCA). Maximize Download Parts Total: 4 Matching: 4 Reset Compare Parts Part Status In Production Not Recommended for New Design Operating Temperature [Min] (°C) Package Type 48 QFN 8x8 Eval Board Package Carrier ESD Bag Tape & Reel PD-IM-7504B In Production-Eval Board ESD Bag PD-IM-7504B-Surge In Production-Eval Board ESD Bag PD69104B1ILQ-TR In Production-1048 QFN 8x8 Tape & Reel PD69104BIFILQ-TR Not Recommended for New Design-4048 QFN 8x8 Tape & Reel Order Status Sales Contacts RFQ/SAMPLES Contact Support Documents and Resources Packaging Information Product Portals Quality Returns Training

### Recommended For You

#### PD69012

Microchip Technology, Inc  
QFP

#### PD69008

Microchip Technology, Inc  
QFP80

#### PD691081ILQ-TR

Microchip Technology, Inc  
QFN

**PD70211**

Microchip Technology, Inc  
QFN

**PD70200ILD-TR**

Microchip Technology, Inc  
QFN12

**TC4468EPD**

Microchip Technology, Inc  
DIP14

**PD69208T4ILQ-TR-LE**

Microchip Technology, Inc  
QFN

**PD69208MILQ-TR-LE**

Microchip Technology, Inc  
QFN56

**PD64004AH**

Microchip Technology, Inc  
QFN

**TC4469CPD**

Microchip Technology, Inc  
DIP

**PD70201ILQ-TR**

Microchip Technology, Inc  
QFN

**PD69200C-018818**

Microchip Technology, Inc  
QFN

**PD5036**

Microchip Technology, Inc  
SOP16

**PD69200C-021119**

Microchip Technology, Inc  
VQFN32

**PD64012G**

Microchip Technology, Inc  
QFP64