

Conv DC-DC 2.9V to 5.5V Synchronous Step Down Single-Out 0.8V to 3.3V 0.5A Automotive 8-Pin MLPQ-UT T/R



Images are for reference only

Manufacturer: [Semtech Corporation](#)

Package/Case: QFN

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The SC195 is a high efficiency, 500mA step down regulator designed to operate with an input voltage range of 2.9V to 5.5 V. The input voltage range makes it ideal for battery operated applications with space limitations.

Key Features

Input Voltage — 2.9V to 5.5V

Output Voltage — 0.8V to 3.3V

Output current capability — 500mA

Efficiency up to 94%

15 Programmable output voltages

High light-load efficiency via automatic PSAVE mode

Fast transient response

Temperature range — -40 to +85°C

Oscillator frequency — 3.5MHz

100% duty cycle capability

Quiescent current — 38µA typ

Shutdown Current — 0.1µA typ

Internal soft-start

Over-voltage protection

Current limit and short circuit protection

Over-temperature protection

Under-voltage lockout

Floating control pin protection

MLPQ-UT8 1.5 x 1.5 x 0.6 (mm) package

Pb free, Halogen free, and RoHS/WEEE compliant

Application

Smart phones and cellular phones

MP3/Personal media players

Personal navigation devices

Digital cameras

Single Li-ion cell or 3 NiMH/NiCd cell devices

Devices with 3.3V or 5V internal power rails

Packaging

MLPQ-UT8

Order Codes

SC195ULTRT: Lead Free, Halogen Free, RoHS/WEEE Complaint, 3000 pcs, Tape and Reel Only

SC195EVB: SC195 Evaluation Board



Recommended For You

SC728CSIRT

Semtech Corporation

BGA

SC417MLTRT

Semtech Corporation

MLPQ32

SC508ULTRT

Semtech Corporation

QFN

SC1112ASTR

Semtech Corporation

SO-16

SC632AULIRT

Semtech Corporation

DFN8

SC1112SIRT

Semtech Corporation

SOP16

SC1112ATSTR

Semtech Corporation

TSSOP

SC725CSIRT

Semtech Corporation

4-CSP0.76x0.76

SC4250LISIRT

Semtech Corporation

SOP-8

SC1112TSTR

Semtech Corporation

TSSOP-14

SC4210AIMSIRT

Semtech Corporation

SMD

SC4210AIMSTR

Semtech Corporation

SMD

SC705CSIRT

Semtech Corporation

BGA

SC1112TSIRT

Semtech Corporation

11

SC630AULIRT

Semtech Corporation

MLPD8