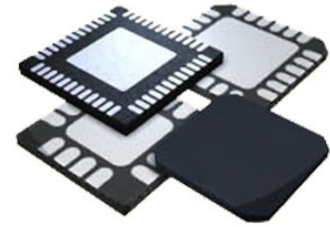


Switching Controllers Multi-phase Core Controller for IMVP8, 32LD 4x4 QFN

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	QFN
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ISL95853HRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ISL95853, fully compliant with Intel IMVP8™ specifications, provides a complete solution for microprocessor core power supply. It also provides a Voltage Regulator (VR) with two integrated and one external gate drivers. The VR can be configured as 3-, 2- or 1-phase, providing maximum flexibility. The VR uses the serial control bus (SVID) to communicate with the CPU and achieves lower cost and smaller board area. Based on Intersil's Robust Ripple Regulator (R3™) technology, the PWM modulator compared to traditional modulators, has faster transient settling time, variable switching frequency during load transients and has improved light load efficiency with its ability to automatically change switching frequency. The ISL95853 has several other key features. The output supports DCR current sensing with single NTC thermistor for DCR temperature compensation or accurate resistor current sensing. The output comes with remote voltage sense, programmable VBOOT voltage, programmable ICCMAX, programmable voltage transition slew rate, adjustable switching frequency, overcurrent protection and power-good output.

## Features

Serial data bus

Output configurable 3-, 2- or 1-phase using two integrated gate drivers

Precision core voltage regulation

0.5% system accuracy over temperature

Enhanced load line accuracy

Supports multiple current sensing methods

Lossless inductor DCR current sensing

Precision resistor current sensing

Differential remote voltage sensing

Programmable  $V_{BOOT}$  voltage at start-up

Resistor programmable  $I_{CCMAX}$  and voltage transition slew rate

Adaptive body diode conduction time reduction

System input power monitor

## Related Products



### [ISL9585SHRTZ-T](#)

Renesas Technology Corp  
48pin-TQFN



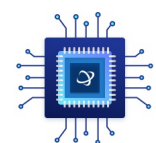
### [ISL99380FRZ-TR5935](#)

Renesas Technology Corp



### [ISL69125IRAZ-T](#)

Renesas Technology Corp  
40-TQFN



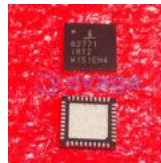
### [ISL32601EFUZ](#)

Renesas Technology Corp



### [ISL69127IRAZ-T](#)

Renesas Technology Corp  
QFN 48



### [ISL62771IRTZ-T](#)

Renesas Technology Corp  
TQFN-40



### [ISL95855IRTZ-T](#)

Renesas Technology Corp  
TQFN



### [ISL68137IRAZ](#)

Renesas Technology Corp  
48-QFN