

Switching Controllers CUR MODE PWM 100% DTY CYCL 8 4V UVLO

Manufacturers	Renesas Technology Corp
Package/Case	MSOP-8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ISL6843IUZ-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISL6840, ISL6841, ISL6842, ISL6843, and ISL6844 (ISL684x) family of adjustable frequency, low power, Pulse-Width Modulating (PWM) current mode controllers is designed for a wide range of power conversion applications including boost, flyback, and isolated output configurations. Peak current mode control effectively handles power transients and provides inherent overcurrent protection.

This advanced BiCMOS design is pin-compatible with the industry standard 384x family of controllers and offers significantly improved performance. Features include low operating current, 60µA start-up current, adjustable operating frequency to 2MHz, and high peak current drive capability with 20ns rise and fall times.

Features

1A MOSFET gate driver

60 μ A start-up current, 100 μ A maximum

25ns propagation delay current sense to output

Fast transient response with peak current mode control

Adjustable switching frequency to 2MHz

20ns rise and fall times with 1nF output load

Trimmed timing capacitor discharge current for accurate deadtime/maximum duty cycle control

High bandwidth error amplifier


Tight tolerance voltage reference over line, load, and temperature

Tight tolerance current limit threshold

Pb-free available (RoHS compliant)



(P) CUST P/N: DANUBE/ODM
[Barcode]
(1P) RENESAS P/N: ISL6843IUZ-T
[Barcode]
(1T) LOT NBR: 33DZB000001A
[Barcode]
Product of THAILAND Chips from UNITED STATES
(1D): 2241 (2D): (Q)QTY: 2500 EA LLQ: 2500
MSL 2 PBT : 260 Deg C (V)SUPPLIER: RENESAS



Pb e3

RENESAS



Related Products



[ISL6262ACRZ](#)

Renesas Technology Corp
QFN-48



[ISL6294IRZ-T](#)

Renesas Technology Corp
QFN-8



[ISL21080CIH315Z-TK](#)

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SOT-23-3



[ISL6506BCBZ](#)

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[ISL6377HRZ-T](#)

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[ISL62771HRTZ-T](#)

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40-WFQFN Exposed Pad



[ISL62771HRTZ](#)

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QFN40



[ISL95808HRZ-T](#)

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DFN-8