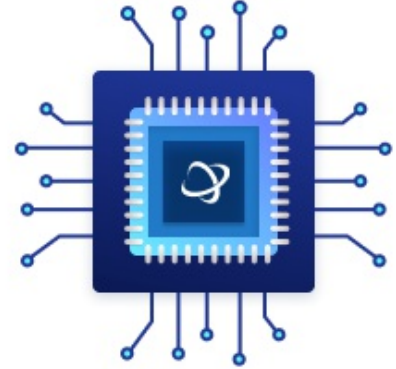


PROGRAMMABLE MULTI-CHANNEL PMIC SOLUTION New

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



Images are for reference only

Please submit RFQ for P91E0-I5NHGI or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

RFQ

General Description

The IDT P91E0 is a programmable, multi-channel power management IC (PMIC) designed to meet high performance requirements and provide high-feature integration to minimize system board area and BOM cost. The PMIC includes subsystems for voltage regulation, power sequencing management, A/D conversion, GPIOs, PWMs and others. The P91E0 is factory programmable for application specific sequencing and output voltage requirements. The device supports the serial voltage ID (SVID) interface for VCC, VNN & VDDQ (optional). The output current capability of the P91E0 solution can be increased by adding IDT's intelligent, distributed power unit(DPU).

Features

3.135 V to 5.25 V input voltage range

7 programmable step-down converters of which 5 with integrated Power FETs

Supports the P9148 DPU distributed power unit (DPU)

8 LDOs, including a VTT

SVID interface supporting IMVP8 protocol

10-bit ADC

15 programmable GPIOs and 12 programmable Enable Outputs

Host interface and system power management functions

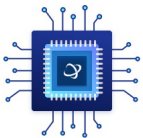
High-speed I²C interface

Factory programmable default power sequence and settings

Industrial temperature range of -40°C to +85°C

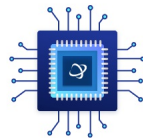
9 x 9 mm dual-row 100-GQFN (Type3-PCB) package option (NHG100)

Related Products



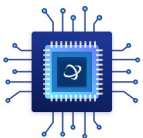
[P9222-RAZG18](#)

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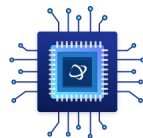
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Renesas Technology Corp



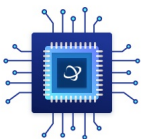
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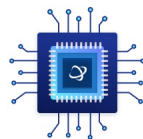
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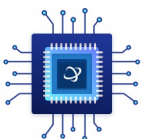
[P9148NRG18](#)

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