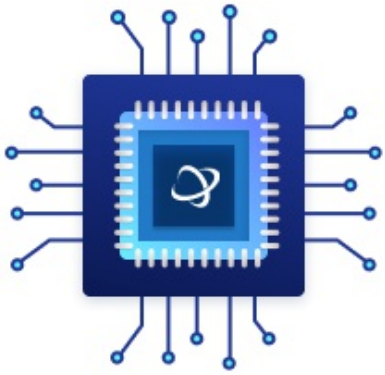
P91E0A-I5NHGI

Data Sheet

Programmable Multi-Channel PMIC Solution for Intel Broxton Atom™

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



Images are for reference only

Please submit RFQ for P91E0A-I5NHGI or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The P91E0A 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 P91E0A is factory programmable for application specific sequencing and output voltage requirements. The device supports the serial voltage ID (SVID) interface for VCC, VNN and VDDQ (optional). The output current capability of the P91E0A solution can be increased by adding IDT's intelligentdistributed power units (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 P9148A 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-RAZGI8

Renesas Technology Corp

P91E0A-I5NHGI8

Renesas Technology Corp

P91E0-I5NHGI

Renesas Technology Corp

P9148ANRGI8

Renesas Technology Corp

P9148NRGI8

Renesas Technology Corp

P9412-0AWQI8

Renesas Technology Corp

P91E0-I5NHGI8

Renesas Technology Corp

HIP4082IBZT

Renesas Technology Corp

SOIC-16