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High-efficiency Power Management IC

BH6179GU **NEW**

Inquiries concerning our products

- Data Sheets
- Uses
- ROHM Internet Direct Shopping
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Data Sheet

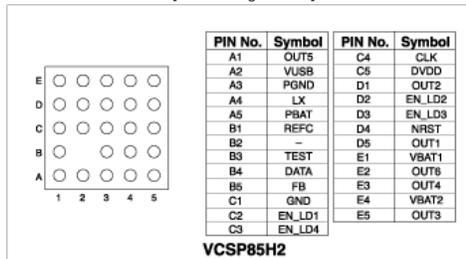
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[Product description]

A step-down DC/DC and a 6-channel LDO are built into a single chip and encapsulated in a compact CSP package, providing all of the voltages required in order to enable easy configuration of an application CPU power supply, while contributing to end-product miniaturization.

Specifications		
supply voltage (V)		2.2 to 5.5
CH	DCDC (ch)	1
	LDO (ch)	6
Output voltage	DCDC (V)	0.8 to 2.35
	LDO (V)	1.0 to 3.3
Number of output voltage STEP (Step)		16
Maximum output current	DCDC (mA)	600
	LDO (mA)	300
I/F		I ² C + Parallel
Protection circuit Over current	Over current	Yes
	Temperature	Yes
	Low voltage	Yes
Low Power Mode		Yes
Package size(mm)		2.6x2.6x1.0

[Pin Configuration]



Features

- Built-in 1ch DC/DC converters, I_{omax}=600mA
- Built-in 6ch LDO regulators
- LDO ON / OFF control by either enable pins or by I²C registers selectable

*The contents described here are just outline for introduction.

Please obtain the specification sheets from us for thorough check before use.

Status Product

Part No.	Package (PDF)	Status *	RoHS	Constitution materials list	Packing Type	Unit Quantity	Minimum Packaging Quantity	Samples	Sales
BH6179GU-E2	VCSP85H2(BH6179GU)	Active	Yes		Embossed Tape And Reel	3000	3000		Inquiry

* Active: Production or current type Preview: Development

Others

Please check the details on [Product List](#) for Others.

[Passive Components](#)

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