

# Variable switching frequency up to 2.2MHz, Vout discharge function

## 4ch LED Driver IC integrating current-mode Buck-Boost DC/DC controller



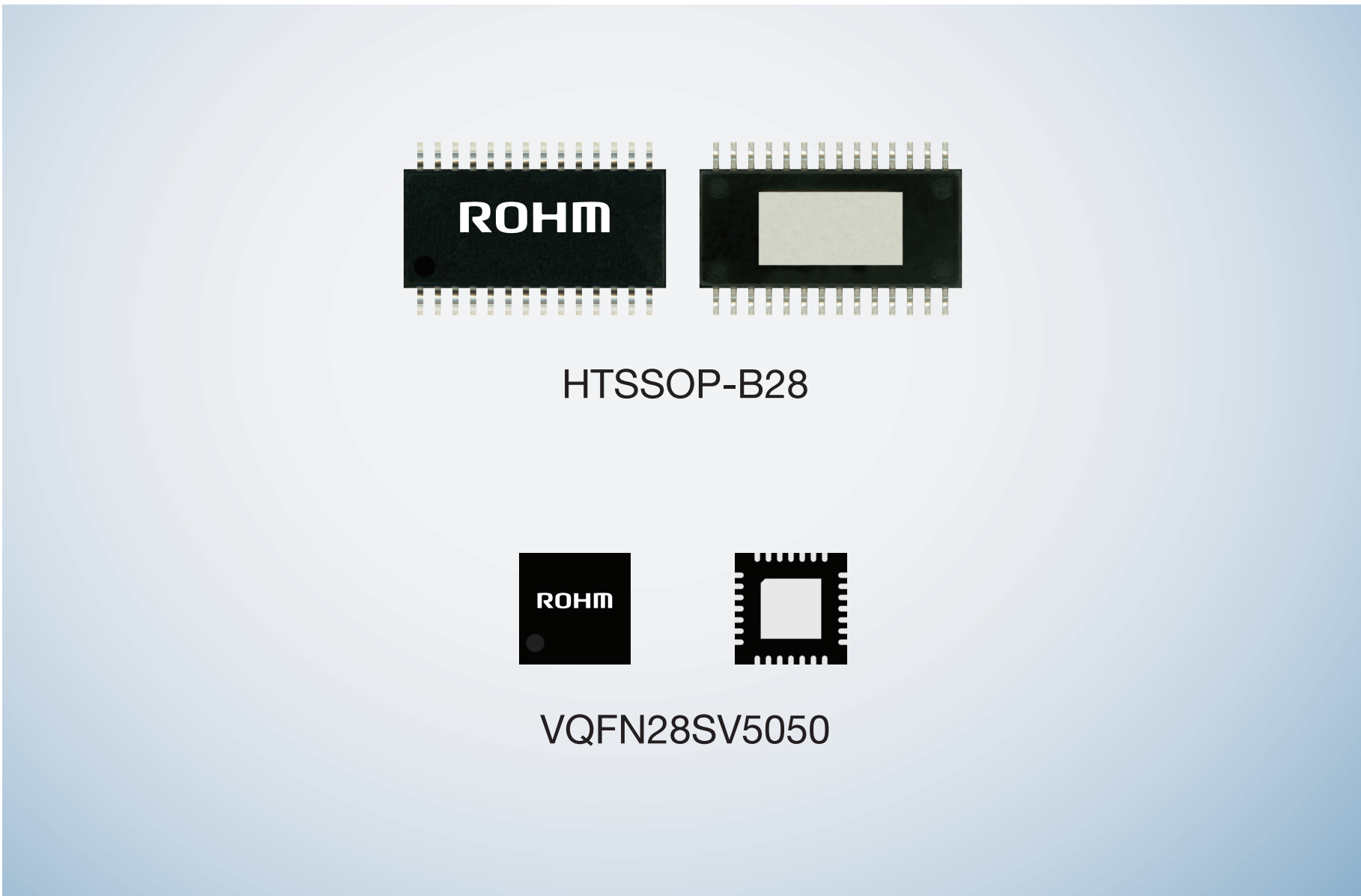
BD81A04AEFV-M, BD81A04AMUV-M, BD81A14EFV-M

### Features

- 4ch constant Current output
- Built in Boost FET (BD81A04AEFV-M /BD81A04AMUV-M)
- Built in LED drive FET
- Vout discharge function
- Switching frequency 200kHz to 2.2MHz

### Applications

- For display audio, Small and medium-sized type LCD panel



### Lineup

Part No.	DC/DC	Channel Number (ch)	Maximum Input Voltage (V)	DC/DC Frequency	Minimum PWM Dimmer Duty	Drive Current (mA)	Boost FET	Pre Boost setting	Package	Status
BD8119FM-M	Buck-Boost	4	36	250kHz to 550KHz	0.38%	150	External	Built-in	HSOP-M28	MP
<b>New</b> BD81A04AEFV-M <b>New</b> BD81A04AMUV-M	Buck-Boost	4	40	200kHz to 2.2MHz	0.02%@200Hz (Depends on Load)	120	Built in	Built-in	HTSSOP-B28 VQFN28SV5050	2013.May. DS
<b>New</b> BD81A14EFV-M	Buck-Boost	4	40	200kHz to 2.2MHz	0.02%@200Hz (Depends on Load)	120	External	Built-in	HTSSOP-B28	2013.May. DS
<b>New</b> BD81A34EFV-M <b>New</b> BD81A34MUV-M	Buck-Boost	4	40	200kHz to 2.2MHz	0.02%@200Hz (Depends on Load)	120	External	External	HTSSOP-B28 VQFN28SV5050	2013.Jul. DS

### Block Diagram (BD81A04AEFV-M/BD81A04AMUV-M)

