


## DC/DC Cntrlr Dual-OUT Step Down 32-Pin VFQFPN Tray

<b>Manufacturer:</b>	<a href="#">STMicroelectronics, Inc</a>
<b>Package/Case:</b>	QFN
<b>Product Type:</b>	Power Management ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Obsolete



Images are for reference only

[Inquiry](#)

### General Description

PM6680 is a dual step-down controller specifically designed to provide extremely high efficiency conversion, with lossless current sensing technique. The constant on-time architecture assures fast load transient response and the embedded voltage feed-forward provides nearly constant switching frequency operation. An embedded integrator control loop compensates the DC voltage error due to the output ripple. Pulse skipping technique increases efficiency at very light load. Moreover a minimum switching frequency of 33kHz is selectable to avoid audio noise issues. The PM6680 provides a selectable switching frequency, allowing three different values of switching frequencies for the two switching sections. The output voltages OUT1 and OUT2 can be adjusted from 0.9 V to 5.5 V and from 0.9 V to 3.3 V respectively.

## Key Features

Selectable pulse skipping at light loads

Latched OVP and UVP

4mW maximum quiescent power

Selectable minimum frequency (33kHz) in pulse skip mode

Output voltage ripple compensation

Independent power good signals

Soft-start internally fixed at 2ms

Negative current limit

6V to 28V input voltage range

5V always voltage available deliver 100mA peak current

Adjustable output voltages

Lossless current sensing using low side MOSFET's RDS(on)

Soft output discharge

1.237V  $\pm$ 1% reference voltage available



## Recommended For You

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**PM8800A**

STMicroelectronics, Inc  
TSSOP-16

**PM8801**

STMicroelectronics, Inc  
TSSOP24

**PM8805TR**

STMicroelectronics, Inc  
VFQFPN-43

**L99PM62GXPTIR**

STMicroelectronics, Inc  
HSSOP36

**STPM01FTR**

STMicroelectronics, Inc  
TSSOP

**STPM33TR**

STMicroelectronics, Inc  
QFN32

**PM8803**

STMicroelectronics, Inc  
TSSOP-20

**STPM10BTR**

STMicroelectronics, Inc  
TSSOP-20

**PM8800ATR**

STMicroelectronics, Inc  
TSSOP16

**L99PM62GXP**

STMicroelectronics, Inc  
SSOP36

**L99PM72GXP**

STMicroelectronics, Inc  
SSOP36

**L99PM72PXP**

STMicroelectronics, Inc  
SSOP36

**L99PM62XP**

STMicroelectronics, Inc  
SSOP36

**STPMB2TR**

STMicroelectronics, Inc  
QFN24

**PM8804TR**

STMicroelectronics, Inc  
QFN16