

# 3a 36v Synchronous Step Down Converter

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### 3a 36v Synchronous Step Down

#### **3A, 36V, Synchronous Step-Down Converter**

synchronous DC/DC step-down converter that can deliver up to 3A output current over a wide input voltage range from 45V to 36V The device integrates 95m  $\Omega$  high-side and 70m  $\Omega$  low-side MOSFETs to achieve high conversion efficiency The current-mode control architecture supports fast transient response and simple external compensation

#### **3A, 36V, 500kHz Synchronous Step-Down Converter**

3A, 36V, 500kHz Synchronous Step-Down Converter General Description The RT7272B is a high efficiency, current mode synchronous step-down DC/DC converter that can deliver up to 3A output current over a wide input voltage range from 45V to 36V The device integrates a 150m $\Omega$  high side and a 80m $\Omega$  low side MOSFET to achieve high

#### **LM43603 3.5-V to 36-V, 3A Synchronous Step-Down Voltage ...**

synchronous step-down DC-DC converter capable of driving up to 3 A of load current from an input voltage ranging from 35 V to 36 V (42 V abs max) The LM43603 provides exceptional efficiency, output accuracy and dropout voltage in a very small solution size An extended family is available in 05-A, 1-A,

#### **MP4423H High Efficiency 3A, 36V, Synchronous Step Down ...**

MP4423H High Efficiency 3A, 36V, Synchronous Step Down Converter MP4423H Rev 10 www.MonolithicPower.com 1 8/18/2014 MPS Proprietary Information

#### **LMR23630-Q1 SIMPLE SWITCHER® 36-V, 3-A Synchronous Step ...**

to-use 36-V, 3-A synchronous step-down regulator With a wide input range from 4 V to 36 V, the device is suitable for various applications from

industrial to automotive for power conditioning from unregulated sources Peak-current-mode control is employed to achieve simple control-loop compensation and cycle-by-cycle current limiting

### **3A, 36V, 2MHz Non-synchronous Step-Down Converter**

3A, 36V, 2MHz Non-synchronous Step-Down Converter General Description The EML3193B is frequency adjustable, 3A, current-mode step-down converter with an integrated high-side switch The EML3193B operates with the wide input voltage from 45V to 36V and provides an adjustable output voltage from 0.8V to 30V The EML3193B features a PWM mode

### **3A, 36V, 1.5MHz Non-synchronous Step-Down Converter**

3A, 36V, 1.5MHz Non-synchronous Step-Down Converter General Description The EML3193 is frequency adjustable, 3A, current-mode step-down converter with an integrated high-side switch The EML3193 operates with the wide input voltage from 45V to 36V and

### **3A, 36V, Synchronous Step-Down Converter**

synchronous step-down DC/DC converter that can deliver up to 3A output current over a wide input voltage range from 45V to 36V The device integrates 105m  $\Omega$  high-side and 80m  $\Omega$  low-side MOSFETs to achieve high conversion efficiency The current-mode control architecture supports fast transient response and simple external compensation

### **MP4423A 3A, 36V, High-Efficiency, Synchronous, Step-Down ...**

MP4423A 3A, 36V, High-Efficiency, Synchronous, Step-Down Converter MP4423A Rev10 www.MonolithicPower.com 1 4/22/2016 MPS Proprietary Information

### **MPQ4423H High Efficiency 3A, 36V, Synchronous Step Down ...**

MPQ4423H High Efficiency 3A, 36V, Synchronous Step Down Converter AEC-Q100 Qualified MPQ4423H Rev111 www.MonolithicPower.com 1 12/18/2017 MPS Proprietary Information

### **IN, 3A, High Efficiency, 2.1MHz, Synchronous Step- Down ...**

The RTQ2106 is a 3A, high-efficiency, current mode synchronous step-down converter which is optimized for automotive applications The device operates with input voltages from 3V to 36V and is protected from load dump transients up to 42V, eases input surge protection design The device can program the output voltage between 0.8V to  $V_{IN}$

### **MP9943 High Efficiency 3A Peak, 36V, Synchronous Step-Down ...**

MP9943 High Efficiency 3A Peak, 36V, Synchronous Step-Down Converter With Power Good MP9943 Rev10 www.MonolithicPower.com 1 8/8/2014 MPS Proprietary Information

### **MAX17632--4.5V to 36V, 2A, High-Efficiency, Synchronous ...**

General Description The MAX17632 is a high-efficiency, high-voltage, synchronous step-down DC-DC converter with integrated MOSFETs operating over an input-voltage range of 45V

### **3a 36v Synchronous Step Down Converter - gallery.ctsnet.org**

3A 36V Synchronous Step Down Converter synchronous DC DC step down converter that can deliver up to 3A output current over a wide input voltage range from 4.5V to 36V The device integrates 95m  $\Omega$  high side and 70m  $\Omega$  low side MOSFETs to achieve high conversion efficiency The current mode control architecture supports fast transient response and

### **36V, 3A, 250KHz Synchronous Step-Down DC/DC Converter**

40V, Synchronous, 4-Switch, Bi-direction Buck-Boost Controller General Description The AN6581 is a synchronous four-switch bi-direction buck-boost DC/DC controller capable of regulating the VBUS/VBAT voltage at, above, or 36V, 3A, 250KHz Synchronous Step-Down DC/DC Converter

#### **MAX17633: 4.5V to 36V, 3.5A, High Efficiency, Synchronous ...**

RDS\_ONH ILX = 03A, sourcing 65 125 mΩ Low-Side nMOS On-Resistance RDS\_ONL ILX = 03A, sinking 40 80 mΩ LX Leakage Current ILX\_LKG VLX = (VPGND + 1)V to (VIN - 1)V, TA = +25°C-2 3 μA Electrical Characteristics wwwmaximintegratedcom Maxim Integrated | 3 MAX17633 45V to 36V, 35A, igh Efficiency, Synchronous Step-Down, DC-DC Converter

#### **MP9943 High Efficiency 3A Peak, 36V, Synchronous Step Down ...**

MP9943 High Efficiency 3A Peak, 36V, Synchronous Step Down Converter With Power Good MP9943 Rev11 wwwMonolithicPowercom 1 7/4/2017 MPS Proprietary Information

#### **LTC3611 - 10A, 32V Monolithic Synchronous Step-Down DC/DC ...**

Synchronous Step-Down DC/DC Converter The LTC®3611 is a high efficiency, monolithic synchronous step-down DC/DC converter that can deliver up to 10A output current from a 45V to 32V (36V maximum) input supply It uses a constant on-time valley current mode ...

#### **HM 30V 3A 500KHz Synchronous Step-Down Regulator**

The HM1484D is a high frequency, synchronous, rectified, step-down, switch-mode converter with internal power MOSFETs It offers a very compact solution to achieve a 4A peak output current over a wide input supply range, with excellent load and line regulation

#### **40V 3A/5A/8A Synchronous Step Down COT Regulators**

40V 3A/5A/8A Synchronous Step Down COT Regulators 1 / 22 Rev 1D General Description The XR76203, XR76205 and XR76208 are synchronous step-down regulators combining the controller, drivers, bootstrap diode and MOSFETs in a single package for point-of-load supplies The XR76203, XR76205, and XR76208 have load current ratings of 3A, 5A and 8A