

MAX17596ATE+T



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Part Number: [MAX17596ATE+T](#)

Manufacturer: [Maxim Integrated](#)

Description: IC REG CTRLR BOOST/FLYBK 16TQFN

Data sheet:  [MAX17595-97](#)
 [Part Numbering System](#)
 [EE-Sim Design, Simulation Environment Guide](#)

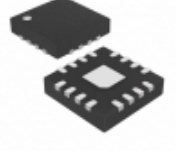
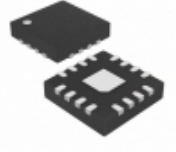
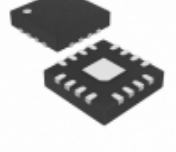
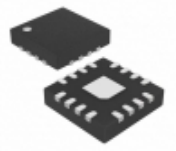
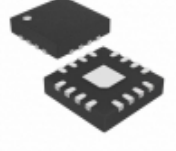
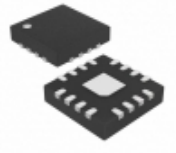
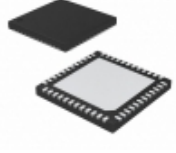
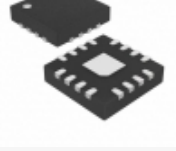
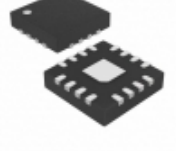
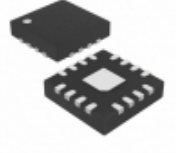
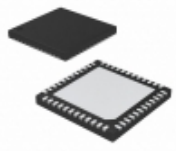
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

PRODUCT PARAMETER			
Part Number	MAX17596ATE+T	Manufacturer	Maxim Integrated
Description	IC REG CTRLR BOOST/FLYBK 16TQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	88806 pcs	Data sheet	MAX17595-97 Part Numbering System EE-Sim Design, Simulation Environment Guide
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 36 V
Topology	Boost, Flyback	Synchronous Rectifier	No
Supplier Device Package	16-TQFN (3x3)	Series	-
Serial Interfaces	-	Packaging	Original-Reel®
Package / Case	16-WFQFN Exposed Pad	Output Type	Transistor Driver
Output Phases	1	Output Configuration	Positive
Other Names	MAX17596ATE+TDKR	Operating Temperature	-40°C ~ 125°C (TJ)
Number of Outputs	1	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	6 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Function	Step-Up, Step-Up/Step-Down	Frequency - Switching	100kHz ~ 1MHz
Duty Cycle (Max)	48%	Detailed Description	Boost, Flyback Regulator Positive Output Step-Up, Step-Up/Step-Down DC-DC Controller IC 16-TQFN (3x3)
Control Features	Enable, Frequency Control, Soft Start	Clock Sync	Yes
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RELATED PRODUCTS			
	Part#: MAX17598EVKIT# Description: KIT EVAL UNIV AC/DC DC/DC CTRL	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX17595ATE+T Description: IC REG CTRLR FLYBK ISO 16TQFN	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX1759EUB+ Description: IC REG SWITCHD CAP 0.1A 10MSOP	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX17596EVKIT# Description: EVALUATION KIT FOR MAX17596	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX17597ATE+T Description: IC REG CTRLR BOOST/FLYBK 16TQFN	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX1758EAI+T Description: IC BATTERY CHRG LI+ 28-SSOP	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX17597ATE+ Description: IC REG CTRLR BOOST/FLYBK 16TQFN	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX1759EUB Description: IC REG SWITCHD CAP 0.1A 10MSOP	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX17596ATE+ Description: IC REG CTRLR BOOST/FLYBK 16TQFN	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX1758EAI Description: IC BATT CHRG 4-LI+ 28V SW 28SSOP	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX17598ATE+T Description: IC REG CTRLR ISOLATED 16TQFN	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX17595ATE+ Description: IC REG CTRLR FLYBK ISO 16TQFN	Manufacturers: Maxim Integrated	RFQ
	Part#: MAX17582GTM+T Description: IC CTRL PWM 2PH IMVP-6.5 48-TQFN	Manufacturers: Maxim Integrated	RFQ
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	Part#: MAX1758EAI+ Description: IC BATT CHRG 4-LI+ 28V SW 28SSOP	Manufacturers: Maxim Integrated	RFQ
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	Part#: MAX17599ATE+T Description: IC REG CTRLR BUCK 16TQFN	Manufacturers: Maxim Integrated	RFQ
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