

IR3590BMTRPBF



Part Number: [IR3590BMTRPBF](#)

Manufacturer: [International Rectifier \(Infineon Technologies\)](#)

Description: IC REG CTRLR BUCK I2C 40QFN

Data sheet:  [IR3590B](#)

RoHs Status: Lead free / RoHS Compliant

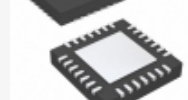
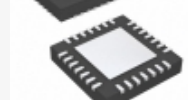
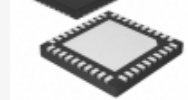
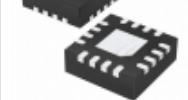
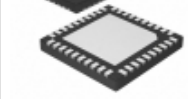
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PRODUCT PARAMETER			
Part Number	IR3590BMTRPBF	Manufacturer	International Rectifier (Infineon Technologies)
Description	IC REG CTRLR BUCK I2C 40QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	25596 pcs	Data sheet	IR3590B
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3.3V
Topology	Buck	Synchronous Rectifier	No
Supplier Device Package	40-QFN (5x5)	Series	-
Serial Interfaces	I ² C	Packaging	Tape & Reel (TR)
Output Type	PWM Signal	Output Phases	6
Output Configuration	Positive	Other Names	SP001530010
Operating Temperature	-40°C ~ 85°C (TA)	Number of Outputs	6
Moisture Sensitivity Level (MSL)	2 (1 Year)	Manufacturer Standard Lead Time	52 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Function	Step-Down
Frequency - Switching	200kHz ~ 2MHz	Duty Cycle (Max)	-
Detailed Description	Buck Regulator Positive Output Step-Down I ² C DC-DC Controller IC 40-QFN (5x5)	Control Features	-
Clock Sync	No		
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	Part#: IR3579AMTRPBF Description: IC REG BUCK SYNC ADJ 30PQFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3590MIB01TRP Description: IC REG BUCK 40VQFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3590MTRPBF Description: IC REG CTRLR BUCK I2C 40QFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3595MTRPBF Description: IC REG CTRLR BUCK I2C 56QFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3579MTRPBF Description: IC REG BUCK SYNC ADJ 32PQFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3595AMTRPBF Description: IC REG CTRLR BUCK PWM 56QFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3588MLN01TRP Description: IC REG BUCK 28VQFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3591MTRPBF Description: IC CONTROLLER DIGITAL QFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3599AMTRPBF Description: IC PHASE MULTIPLIER 9DFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
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	Part#: IR3590AMTRPBF Description: IC REG CTRLR BUCK PWM 40QFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
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	Part#: IR3598MTRPBF Description: IC MOSFET DRVR N-CH DUAL 16QFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3595BMTRPBF Description: MP - DCIC	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3584MTRPBF Description: IC CONTROLLER DIGITAL QFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: IR3598MTR1PBF Description: IC MOSFET DRVR N-CH DUAL 16QFN	Manufacturers: International Rectifier (Infineon Technologies)	RFQ

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