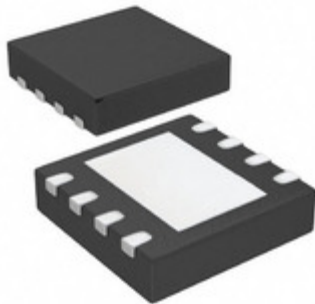


MCP1642BT-50I/MC





Part Number:

MCP1642BT-50I/MC

Manufacturer:

Micrel / Microchip Technology

Description:

IC REG BOOST SYNC 5V 1.8A

Data sheet:

 [MCP1642B,D Datasheet](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

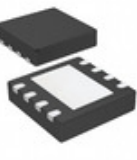
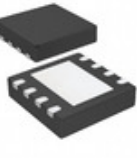
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	MCP1642BT-50I/MC	Manufacturer	Micrel / Microchip Technology
Description	IC REG BOOST SYNC 5V 1.8A	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	86942 pcs	Data sheet	MCP1642B,D Datasheet
Category	Integrated Circuits (ICs)	Voltage - Output (Min/Fixed)	5V
Voltage - Output (Max)	-	Voltage - Input (Min)	0.65V
Voltage - Input (Max)	5.5V	Topology	Boost
Synchronous Rectifier	Yes	Supplier Device Package	8-DFN (2x3)
Series	-	Packaging	Tape & Reel (TR)
Package / Case	8-VDFN Exposed Pad	Output Type	Fixed
Output Configuration	Positive	Operating Temperature	-40°C ~ 85°C (TA)
Number of Outputs	1	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Manufacturer Standard Lead Time	16 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Function	Step-Up
Frequency - Switching	1MHz	Detailed Description	Boost Switching Regulator IC Positive Fixed 5V 1 Output 800mA 8-VDFN Exposed Pad
Current - Output	800mA	Base Part Number	MCP1642
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RELATED PRODUCTS			
	Part#: MCP1642B-50I/MS Description: IC REG BOOST SYNC 5V 1.8A	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: MCP1642BT-50I/MS Description: IC REG BOOST SYNC 5V 1.8A	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1642D-30I/MC Description: IC REG BOOST SYNC 3V 1.8A	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: MCP1642BT-18I/MC Description: IC REG BOOST SYNC 1.8V 1.8A	Manufacturers: Micrel / Microchip Technology	RFQ
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