

MCP1642B-30I/MS



Part Number: MCP1642B-30I/MS

Manufacturer: Micrel / Microchip Technology

Description: IC REG BOOST SYNC 3V 1.8A

Data sheet:  MCP1642B,D Datasheet

RoHs Status: Lead free / RoHS Compliant

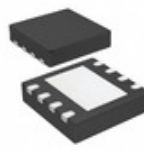
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PRODUCT PARAMETER			
Part Number	MCP1642B-30I/MS	Manufacturer	Micrel / Microchip Technology
Description	IC REG BOOST SYNC 3V 1.8A	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	77240 pcs	Data sheet	MCP1642B,D Datasheet
Category	Integrated Circuits (ICs)	Voltage - Output (Min/Fixed)	3V
Voltage - Output (Max)	-	Voltage - Input (Min)	0.65V
Voltage - Input (Max)	5.5V	Topology	Boost
Synchronous Rectifier	Yes	Supplier Device Package	8-MSOP
Series	-	Packaging	Tube
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	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	20 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Function	Step-Up
Frequency - Switching	1MHz	Detailed Description	Boost Switching Regulator IC Positive Fixed 3V 1 Output 800mA 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Current - Output	800mA	Base Part Number	MCP1642
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RELATED PRODUCTS			
	Part#: MCP1640D-I/MC Description: IC REG BOOST ADJ 0.35A SYNC 8DFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1642B-33I/MS Description: IC REG BOOST SYNC 3.3V 1.8A	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1642B-18I/MS Description: IC REG BOOST SYNC 1.8V 1.8A	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1640DT-I/CHY Description: IC REG BST ADJ 0.35A SYNC SOT23	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1642B-50I/MS Description: IC REG BOOST SYNC 5V 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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	Part#: MCP1640EV-SBC Description: BOARD EVAL FOR MCP1640	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: MCP1642B-30I/MC Description: IC REG BOOST SYNC 3V 1.8A	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: MCP1642B-18I/MC Description: IC REG BOOST SYNC 1.8V 1.8A	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1640RD-4ABC Description: BOARD REF DES AAAA BAT BOOST	Manufacturers: Micrel / Microchip Technology	RFQ

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