

MCP1640T-I/MC



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Part Number: [MCP1640T-I/MC](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC REG BOOST ADJ 0.35A SYNC 8DFN

Data sheet: [PDF Development Tools Catalog](#)
[PDF Portable Power Conversion Design Guide](#)
[PDF MCP1640 Single Quad-A Battery Boost Conv Ref](#)
[PDF MCP1640\(B,C,D\) Datasheet](#)

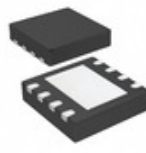
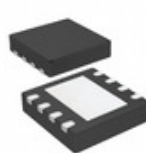
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MCP1640T-I/MC	Manufacturer	Micrel / Microchip Technology
Description	IC REG BOOST ADJ 0.35A SYNC 8DFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	109109 pcs	Data sheet	Development Tools Catalog Portable Power Conversion Design Guide MCP1640 Single Quad-A Battery Boost Conv Ref MCP1640(B,C,D) Datasheet
Category	Integrated Circuits (ICs)	Voltage - Output (Min/Fixed)	2V
Voltage - Output (Max)	5.5V	Voltage - Input (Min)	0.8V
Voltage - Input (Max)	5.5V	Topology	Boost
Synchronous Rectifier	Yes	Supplier Device Package	8-DFN (3x2)
Series	-	Packaging	Tape & Reel (TR)
Package / Case	8-VDFDN Exposed Pad	Output Type	Adjustable
Output Configuration	Positive	Other Names	MCP1640T-I/MC-ND MCP1640T-I/MCTR
Operating Temperature	-40°C ~ 125°C (TJ)	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	500kHz
Detailed Description	Boost Switching Regulator IC Positive Adjustable 2V 1 Output 350mA 8-VDFDN Exposed Pad	Current - Output	350mA
Base Part Number	MCP1640		
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	Part#: MCP1642B-30I/MC Description: IC REG BOOST SYNC 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#: MCP1640T-I/CHY Description: IC REG BST ADJ 0.35A SYNC SOT23	Manufacturers: Micrel / Microchip Technology	RFQ
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