



Micrel / Microchip Technology

MCP1642B-18I/MC

Part Number: MCP1642B-18I/MC

Manufacturer/Brand: Micrel / Microchip Technology

Product description: IC REG BOOST SYNC 1.8V 1.8A

Datasheets:  MCP1642B-18I/MC.pdf

RoHs Status:  Lead free / RoHS Compliant

Ship From: Hong Kong

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

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of MCP1642B-18I/MC

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCP1642B-18I/MC                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                           |
| DESCRIPTION                      | IC REG BOOST SYNC 1.8V 1.8A                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| DATA SHEET                       |  MCP1642B-18I/MC.pdf |
| VOLTAGE - OUTPUT (MIN/FIXED)     | 1.8V                                                                                                    |
| 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                        | Tube                                                                                                    |
| 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)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| FUNCTION                         | Step-Up                                                                                                 |
| FREQUENCY - SWITCHING            | 1MHz                                                                                                    |
| DETAILED DESCRIPTION             | Boost Switching Regulator IC Positive Fixed 1.8V 1 Output 800mA 8-VDFN Exposed Pad                      |
| CURRENT - OUTPUT                 | 800mA                                                                                                   |
| BASE PART NUMBER                 | MCP1642                                                                                                 |

Related Tags

|                                               |                                        |                                                        |
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| Micrel / Microchip Technology MCP1642B-18I/MC | MCP1642B-18I/MC Distributor            | MCP1642B-18I/MC Supplier                               |
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Related Products



**MCP1642B-33I/MS**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BOOST SYNC 3.3V 1.8A  
In stock: 497 pcs  

RFQ



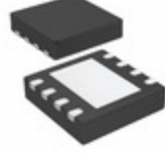
**MCP1640T-I/CHY**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BST ADJ 0.35A SYNC SOT23  
In stock: Out stock  

RFQ



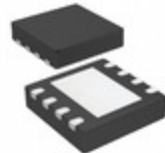
**MCP1640RD-4ABC**  
Manufacturers: Micrel / Microchip Technology  
Description: BOARD REF DES AAAA BAT BOOST  
In stock: 3 pcs  

RFQ



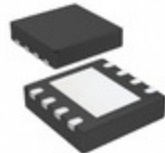
**MCP1640DT-I/MC**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BOOST ADJ 0.35A SYNC 8DFN  
In stock: Out stock  

RFQ



**MCP1642B-30I/MC**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BOOST SYNC 3V 1.8A  
In stock: 596 pcs  

RFQ



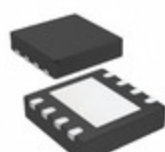
**MCP1642B-33I/MC**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BOOST SYNC 3.3V 1.8A  
In stock: 257 pcs  

RFQ



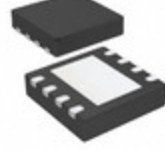
**MCP1642B-30I/MS**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BOOST SYNC 3V 1.8A  
In stock: 496 pcs  

RFQ



**MCP1640T-I/MC**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BOOST ADJ 0.35A SYNC 8DFN  
In stock: Out stock  

RFQ



**MCP1642B-50I/MC**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BOOST SYNC 5V 1.8A  
In stock: 538 pcs  

RFQ



**MCP1640DT-I/CHY**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BST ADJ 0.35A SYNC SOT23  
In stock: Out stock  

RFQ



**MCP1642B-18I/MS**  
Manufacturers: Micrel / Microchip Technology  
Description: IC REG BOOST SYNC 1.8V 1.8A  
In stock: Out stock  

RFQ



**MCP1640EV-SBC**  
Manufacturers: Micrel / Microchip Technology  
Description: BOARD EVAL FOR MCP1640  
In stock: 13 pcs  

RFQ