

MCP1642B-18I/MC





Part Number: MCP1642B-18I/MC

Manufacturer: Micrel / Microchip Technology

Description: IC REG BOOST SYNC 1.8V 1.8A

Data sheet:  MCP1642B,D Datasheet

RoHs Status: Lead free / RoHS Compliant

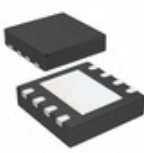
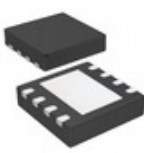
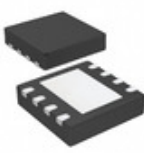
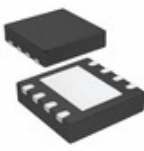
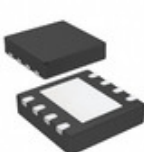
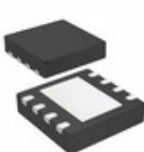
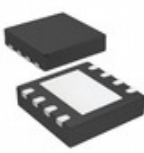
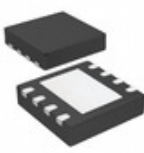
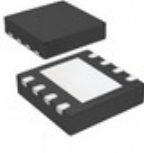
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
Buy MCP1642B-18I/MC with confidence from  
Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                                |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------|
| 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    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 80731 pcs                                                                           | Data sheet                     | MCP1642B,D Datasheet          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                 | Integrated Circuits (ICs)                                                           | 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-VDFDN 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-VDFDN Exposed Pad | Current - Output               | 800mA                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | MCP1642                                                                             |                                |                               |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 80731 pieces of Micrel / Microchip Technology MCP1642B-18I/MC in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                                                                     |                                |                               |

| RELATED PRODUCTS                                                                   |                                                                         |                                              |     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------|-----|
|  | Part#: MCP1640RD-4ABC<br>Description: BOARD REF DES AAAA BAT BOOST      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-ADJ/MS<br>Description: IC REG BOOST ADJ 0.8A SYNC 8MSOP | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-ADJ/MC<br>Description: IC REG BOOST SYNC ADJ 1.8A       | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640C-I/MC<br>Description: IC REG BOOST ADJ 0.35A SYNC 8DFN   | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-50I/MS<br>Description: IC REG BOOST SYNC 5V 1.8A        | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640CT-I/CHY<br>Description: IC REG BST ADJ 0.35A SYNC SOT23  | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-33I/MS<br>Description: IC REG BOOST SYNC 3.3V 1.8A      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640D-I/MC<br>Description: IC REG BOOST ADJ 0.35A SYNC 8DFN   | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-30I/MC<br>Description: IC REG BOOST SYNC 3V 1.8A        | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-50I/MC<br>Description: IC REG BOOST SYNC 5V 1.8A        | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640DT-I/CHY<br>Description: IC REG BST ADJ 0.35A SYNC SOT23  | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-33I/MC<br>Description: IC REG BOOST SYNC 3.3V 1.8A      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640DT-I/MC<br>Description: IC REG BOOST ADJ 0.35A SYNC 8DFN  | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-18I/MS<br>Description: IC REG BOOST SYNC 1.8V 1.8A      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640EV-SBC<br>Description: BOARD EVAL FOR MCP1640             | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640T-I/CHY<br>Description: IC REG BST ADJ 0.35A SYNC SOT23   | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642BT-18I/MC<br>Description: IC REG BOOST SYNC 1.8V 1.8A     | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640CT-I/MC<br>Description: IC REG BOOST ADJ 0.35A SYNC 8DFN  | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1642B-30I/MS<br>Description: IC REG BOOST SYNC 3V 1.8A        | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1640T-I/MC<br>Description: IC REG BOOST ADJ 0.35A SYNC 8DFN   | Manufacturers: Micrel / Microchip Technology | RFQ |

| Related keywords for MCP1642B-18I/MC          |                                      |                                        |                       |
|-----------------------------------------------|--------------------------------------|----------------------------------------|-----------------------|
| Micrel / Microchip Technology MCP1642B-18I/MC | MCP1642B-18I/MC distributor          | MCP1642B-18I/MC supplier               | MCP1642B-18I/MC price |
| MCP1642B-18I/MC download datasheet            | MCP1642B-18I/MC datasheet            | MCP1642B-18I/MC stock                  | buy MCP1642B-18I/MC   |
| Micrel / Microchip Technology MCP1642B-18I/MC | Microchip Technology MCP1642B-18I/MC | Roving Networks / Microchip Technology |                       |
|                                               |                                      | MCP1642B-18I/MC                        |                       |