



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

### MCP1642BT-33I/MC

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCP1642BT-33I/MC                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC REG BOOST SYNC 3.3V 1.8A                                                                                  |
| Datasheets:         |  MCP1642BT-33I/MC.pdf       |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 120192 pcs stock                                                                                             |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

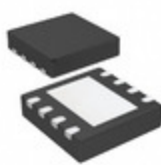
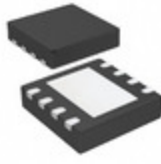
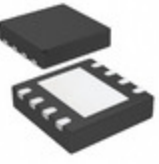
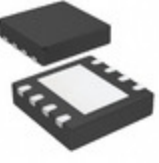
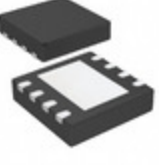
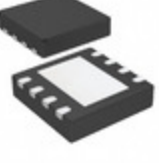
#### Specifications of MCP1642BT-33I/MC

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCP1642BT-33I/MC                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                            |
| DESCRIPTION                      | IC REG BOOST SYNC 3.3V 1.8A                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                               |
| QUANTITY AVAILABLE               | 120192 pcs                                                                                               |
| DATA SHEET                       |  MCP1642BT-33I/MC.pdf |
| VOLTAGE - OUTPUT (MIN/FIXED)     | 3.3V                                                                                                     |
| 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)                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                               |
| FUNCTION                         | Step-Up                                                                                                  |
| FREQUENCY - SWITCHING            | 1MHz                                                                                                     |
| DETAILED DESCRIPTION             | Boost Switching Regulator IC Positive Fixed 3.3V 1 Output 800mA 8-VDFN Exposed Pad                       |
| CURRENT - OUTPUT                 | 800mA                                                                                                    |
| BASE PART NUMBER                 | MCP1642                                                                                                  |

#### Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology MCP1642BT-33I/MC | MCP1642BT-33I/MC Distributor           | MCP1642BT-33I/MC Supplier                               |
| MCP1642BT-33I/MC Price                         | MCP1642BT-33I/MC Pictures              | MCP1642BT-33I/MC Image                                  |
| MCP1642BT-33I/MC PDF Datasheet                 | MCP1642BT-33I/MC Download Datasheet    | MCP1642BT-33I/MC Datasheet                              |
| MCP1642BT-33I/MC Stock                         | Buy MCP1642BT-33I/MC                   | Buy Micrel / Microchip Technology MCP1642BT-33I/MC      |
| Micrel / Microchip Technology MCP1642BT-33I/MC | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology MCP1642BT-33I/MC | Microchip Technology MCP1642BT-33I/MC  | Roving Networks / Microchip Technology MCP1642BT-33I/MC |

#### Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                             |
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| <div></div> <div><b>MCP1642B-ADJI/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC ADJ 1.8A<br/>In stock: 99847 pcs<br/><div>RFQ</div></div>       | <div></div> <div><b>MCP1642BT-30I/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 3V 1.8A<br/>In stock: 130594 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MCP1642BT-18I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 1.8V 1.8A<br/>In stock: 114970 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>MCP1642BT-30I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 3V 1.8A<br/>In stock: 111445 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MCP1642BT-18I/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 1.8V 1.8A<br/>In stock: 134053 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>MCP1642BT-ADJI/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC ADJ 1.8A<br/>In stock: 128658 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>MCP1642BT-ADJI/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC ADJ 1.8A<br/>In stock: 107244 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>MCP1642BT-50I/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 5V 1.8A<br/>In stock: 123150 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MCP1642BT-33I/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 3.3V 1.8A<br/>In stock: 115821 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>MCP1642D-18I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 1.8V 1.8A<br/>In stock: 116834 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>MCP1642B-ADJI/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST ADJ 0.8A SYNC 8MSOP<br/>In stock: 91072 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>MCP1642BT-50I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 5V 1.8A<br/>In stock: 141182 pcs<br/><div>RFQ</div></div>   |