

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

## MCP1642DT-50I/MS

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCP1642DT-50I/MS                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC REG BOOST SYNC 5V 1.8A                                                                                    |
| Datasheets:         |  MCP1642DT-50I/MS.pdf       |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 126347 pcs stock                                                                                             |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

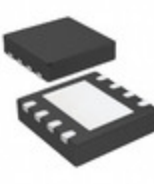
### Specifications of MCP1642DT-50I/MS

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCP1642DT-50I/MS                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                            |
| DESCRIPTION                      | IC REG BOOST SYNC 5V 1.8A                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                               |
| QUANTITY AVAILABLE               | 126347 pcs                                                                                               |
| DATA SHEET                       |  MCP1642DT-50I/MS.pdf |
| VOLTAGE - OUTPUT (MIN/FIXED)     | 5V                                                                                                       |
| 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                        | Tape & Reel (TR)                                                                                         |
| 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)                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                               |
| FUNCTION                         | Step-Up                                                                                                  |
| FREQUENCY - SWITCHING            | 1MHz                                                                                                     |
| DETAILED DESCRIPTION             | Boost Switching Regulator IC Positive Fixed 5V 1 Output 800mA 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)     |
| CURRENT - OUTPUT                 | 800mA                                                                                                    |
| BASE PART NUMBER                 | MCP1642                                                                                                  |

### Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology MCP1642DT-50I/MS | MCP1642DT-50I/MS Distributor           | MCP1642DT-50I/MS Supplier                               |
| MCP1642DT-50I/MS Price                         | MCP1642DT-50I/MS Pictures              | MCP1642DT-50I/MS Image                                  |
| MCP1642DT-50I/MS PDF Datasheet                 | MCP1642DT-50I/MS Download Datasheet    | MCP1642DT-50I/MS Datasheet                              |
| MCP1642DT-50I/MS Stock                         | Buy MCP1642DT-50I/MS                   | Buy Micrel / Microchip Technology MCP1642DT-50I/MS      |
| Micrel / Microchip Technology MCP1642DT-50I/MS | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology MCP1642DT-50I/MS | Microchip Technology MCP1642DT-50I/MS  | Roving Networks / Microchip Technology MCP1642DT-50I/MS |

### Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                         |
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|  <div><b>MCP1642DT-18I/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 1.8V 1.8A<br/>In stock: 135509 pcs<br/>RFQ</div>  |  <div><b>MCP1642DT-33I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 3.3V 1.8A<br/>In stock: 107097 pcs<br/>RFQ</div>   |
|  <div><b>MCP1642DT-30I/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 3V 1.8A<br/>In stock: 143182 pcs<br/>RFQ</div>    |  <div><b>MCP1643-I/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC LED DRIVER RGLTR DIM 8MSOP<br/>In stock: 97957 pcs<br/>RFQ</div>      |
|  <div><b>MCP1642DT-50I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 5V 1.8A<br/>In stock: 141082 pcs<br/>RFQ</div>    |  <div><b>MCP1643T-I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC LED DRVR RGLTR DIM 550MA 8DFN<br/>In stock: 106492 pcs<br/>RFQ</div> |
|  <div><b>MCP1643-I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC LED DRVR RGLTR DIM 550MA 8DFN<br/>In stock: 108424 pcs<br/>RFQ</div> |  <div><b>MCP1642DT-ADJI/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC ADJ 1.8A<br/>In stock: 118437 pcs<br/>RFQ</div>   |
|  <div><b>MCP1642DT-30I/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 3V 1.8A<br/>In stock: 134850 pcs<br/>RFQ</div>    |  <div><b>MCP1642DT-ADJI/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC ADJ 1.8A<br/>In stock: 131177 pcs<br/>RFQ</div>   |
|  <div><b>MCP1642DT-33I/MS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC REG BOOST SYNC 3.3V 1.8A<br/>In stock: 107560 pcs<br/>RFQ</div>  |  <div><b>MCP1643-I/MSVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SYNCHRONOUS BOOST CONVERTER<br/>In stock: 5823 pcs<br/>RFQ</div>      |