

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

## MCP1416T-E/MC

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCP1416T-E/MC                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                       |
| Product description | MOSFET DRVR 1.5A SGL HS 8DFN                                                                                        |
| Datasheets:         |  <a href="#">MCP1416T-E/MC.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 6290 pcs stock                                                                                                      |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

REQUEST FOR QUOTATION

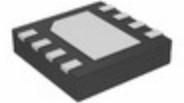
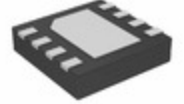
### Specifications of MCP1416T-E/MC

|                                      |                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | MCP1416T-E/MC                                                                                                         |
| MANUFACTURER                         | Micrel / Microchip Technology                                                                                         |
| DESCRIPTION                          | MOSFET DRVR 1.5A SGL HS 8DFN                                                                                          |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                            |
| QUANTITY AVAILABLE                   | 6290 pcs                                                                                                              |
| DATA SHEET                           |  <a href="#">MCP1416T-E/MC.pdf</a> |
| VOLTAGE - SUPPLY                     | 4.5 V ~ 18 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE              | 8-DFN (2x3)                                                                                                           |
| SERIES                               | -                                                                                                                     |
| RISE / FALL TIME (TYP)               | 20ns, 20ns                                                                                                            |
| PACKAGING                            | Tape & Reel (TR)                                                                                                      |
| PACKAGE / CASE                       | 8-VDFN Exposed Pad                                                                                                    |
| OPERATING TEMPERATURE                | -40°C ~ 150°C (TJ)                                                                                                    |
| NUMBER OF DRIVERS                    | 1                                                                                                                     |
| MOUNTING TYPE                        | Surface Mount                                                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 1 (Unlimited)                                                                                                         |
| LOGIC VOLTAGE - VIL, VIH             | 0.8V, 2.4V                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                            |
| INPUT TYPE                           | Non-Inverting                                                                                                         |
| GATE TYPE                            | IGBT, N-Channel, P-Channel MOSFET                                                                                     |
| DRIVEN CONFIGURATION                 | Low-Side                                                                                                              |
| DETAILED DESCRIPTION                 | Low-Side Gate Driver IC Non-Inverting 8-DFN (2x3)                                                                     |
| CURRENT - PEAK OUTPUT (SOURCE, SINK) | 1.5A, 1.5A                                                                                                            |
| CHANNEL TYPE                         | Single                                                                                                                |
| BASE PART NUMBER                     | MCP1416                                                                                                               |

### Related Tags

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology MCP1416T-E/MC | MCP1416T-E/MC Distributor              | MCP1416T-E/MC Supplier                               |
| MCP1416T-E/MC Price                         | MCP1416T-E/MC Pictures                 | MCP1416T-E/MC Image                                  |
| MCP1416T-E/MC PDF Datasheet                 | MCP1416T-E/MC Download Datasheet       | MCP1416T-E/MC Datasheet                              |
| MCP1416T-E/MC Stock                         | Buy MCP1416T-E/MC                      | Buy Micrel / Microchip Technology MCP1416T-E/MC      |
| Micrel / Microchip Technology MCP1416T-E/MC | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology MCP1416T-E/MC | Microchip Technology MCP1416T-E/MC     | Roving Networks / Microchip Technology MCP1416T-E/MC |

### Related Products

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MCP1416T-E/OT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MOSFET DVR 1.5A HS SOT23-5<br/>In stock: 160413 pcs<br/><a href="#">RFQ</a></div>   |  <div><b>MCP14628-E/MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MOSFET DVR 2A SYNC BUCK 8-DFN<br/>In stock: 61282 pcs<br/><a href="#">RFQ</a></div>  |
|  <div><b>MCP1415T-E/OT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MOSFET DVR 1.5A HS SOT23-5<br/>In stock: 164248 pcs<br/><a href="#">RFQ</a></div>   |  <div><b>MCP14628T-E/MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MOSFET DVR 2A SYNC BUCK 8-DFN<br/>In stock: 73119 pcs<br/><a href="#">RFQ</a></div> |
|  <div><b>MCP1416RT-E/OT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC PWR MOSFET DVR 1.5A SOT23-5<br/>In stock: 127782 pcs<br/><a href="#">RFQ</a></div> |  <div><b>MCP14628T-E/SN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MOSFET DVR 2A SYNC BUCK 8SOIC<br/>In stock: 75774 pcs<br/><a href="#">RFQ</a></div> |
|  <div><b>MCP1407T-E/SNVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: NEW GEN 6 AMP MOSFET DRIVER<br/>In stock: 3107 pcs<br/><a href="#">RFQ</a></div>    |  <div><b>MCP1416T-E/OTVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: TINY 1.5 AMP MOSFET DRIVER<br/>In stock: 7083 pcs<br/><a href="#">RFQ</a></div>      |
|  <div><b>MCP14628-E/SN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MOSFET DVR 2A SYNC BUCK 8SOIC<br/>In stock: 51339 pcs<br/><a href="#">RFQ</a></div> |  <div><b>MCP1415T-E/MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: MOSFET DRVR 1.5A SGL HS 8DFN<br/>In stock: 4630 pcs<br/><a href="#">RFQ</a></div>       |
|  <div><b>MCP1415T-E/OTVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: TINY 1.5 AMP MOSFET DRIVER<br/>In stock: 3738 pcs<br/><a href="#">RFQ</a></div>     |  <div><b>MCP1416RT-E/OTVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 1.5A SINGL MOSFET DRVR<br/>In stock: 4578 pcs<br/><a href="#">RFQ</a></div>         |