

MCP14E7-E/MF



Part Number: MCP14E7-E/MF

Manufacturer: Micrel / Microchip Technology

Description: IC MOSFET DRIVER 2A 8DFN-S

Data sheet:  MCP14E6,7,8

RoHs Status: Lead free / RoHS Compliant

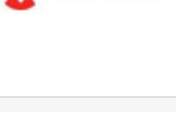
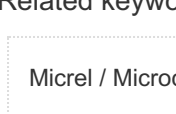
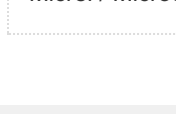
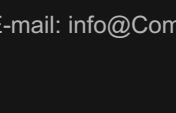
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     |                                      |                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------|-------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                           | MCP14E7-E/MF                                        | Manufacturer                         | Micrel / Microchip Technology |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MOSFET DRIVER 2A 8DFN-S                          | Lead Free Status / RoHS Status       | Lead free / RoHS Compliant    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                    | 70541 pcs                                           | Data sheet                           | MCP14E6,7,8                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                              | Integrated Circuits (ICs)                           | Voltage - Supply                     | 4.5 V ~ 18 V                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                               | 8-DFN-S (6x5)                                       | Series                               | -                             |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                | 12ns, 15ns                                          | Packaging                            | Tube                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                        | 8-VDFN Exposed Pad                                  | Other Names                          | MCP14E7EMF                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 150°C (TJ)                                  | Number of Drivers                    | 2                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                         | Surface Mount                                       | Moisture Sensitivity Level (MSL)     | 1 (Unlimited)                 |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                       | 5 Weeks                                             | 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-S (6x5) | Current - Peak Output (Source, Sink) | 2A, 2A                        |
| Channel Type                                                                                                                                                                                                                                                                                                                                                                                                                          | Independent                                         | Base Part Number                     | MCP14E7                       |
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| RELATED PRODUCTS                                                                   |                                                                      |                                              |     |
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|  | Part#: MCP14E5T-E/SN<br>Description: IC MOSFET DVR 4.0A DUAL 8SOIC   | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E8-E/P<br>Description: IC MOSFET DRIVER 2A 8DIP          | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E5-E/SL<br>Description: MOSFET DRVR 4.5A DUAL HS 16SOIC  | Manufacturers: Microchip Technology          | RFQ |
|  | Part#: MCP14E6-E/MF<br>Description: IC MOSFET DRIVER 2A 8DFN-S       | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E6-E/P<br>Description: IC MOSFET DRIVER 2A 8DIP          | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E7-E/SN<br>Description: IC MOSFET DRIVER 2A 8SOIC        | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E5T-E/MF<br>Description: IC MOSFET DVR 4.0A DUAL 8DFN    | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E5T-E/SL<br>Description: MOSFET DRVR 4.5A DUAL HS 16SOIC | Manufacturers: Microchip Technology          | RFQ |
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|  | Part#: MCP14E6-E/SN<br>Description: IC MOSFET DRIVER 2A 8SOIC        | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E5-E/SN<br>Description: IC MOSFET DVR 4.0A DUAL 8SOIC    | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E8T-E/MF<br>Description: IC MOSFET DRIVER 2A 8DFN-S      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP14E6T-E/MF<br>Description: IC MOSFET DRIVER 2A 8DFN-S      | Manufacturers: Micrel / Microchip Technology | RFQ |
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Related keywords for MCP14E7-E/MF

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