

MCP14A0304-E/MNY



Part Number: [MCP14A0304-E/MNY](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: 3.0A MATCHED, HIGH -SPEED, LOW-S

Data sheet:  [MCP14A0303/4/5](#)

RoHs Status:

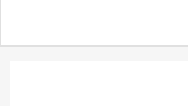
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                                      |                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MCP14A0304-E/MNY                                    | Manufacturer                         | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.0A MATCHED, HIGH -SPEED, LOW-S                    | Lead Free Status / RoHS Status       |                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 86542 pcs                                           | Data sheet                           | <a href="#">MCP14A0303/4/5</a>                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>           | Voltage - Supply                     | 4.5 V ~ 18 V                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-TDFN (2x3)                                        | Series                               | -                                             |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12ns, 12ns                                          | Package / Case                       | 8-WFDFN Exposed Pad                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C                                       | Number of Drivers                    | 2                                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Surface Mount                                       | Moisture Sensitivity Level (MSL)     | 1 (Unlimited)                                 |
| Logic Voltage - VIL, VIH                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.8V, 2V                                            | Input Type                           | Non-Inverting                                 |
| Gate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IGBT                                                | Driven Configuration                 | High-Side                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | High-Side Gate Driver IC Non-Inverting 8-TDFN (2x3) | Current - Peak Output (Source, Sink) | 3A, 3A                                        |
| Channel Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Independent                                         |                                      |                                               |
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|  | Part#: <a href="#">MCP14A0305-E/MNY</a><br>Description: 3.0A MATCHED, HIGH -SPEED, LOW-S  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCP14A0155T-E/SN</a><br>Description: IC MOSFET DVR 1.5A DUAL 8SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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