

MIC2164YMM





Part Number: [MIC2164YMM](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC REG CTRLR BUCK 10MSOP

Data sheet:  [MIC2164](#)

RoHs Status: Lead free / RoHS Compliant

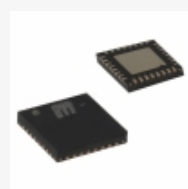
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                  |                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | MIC2164YMM                                | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                         | IC REG CTRLR BUCK 10MSOP                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                  | 79868 pcs                                 | Data sheet                       | <a href="#">MIC2164</a>                                              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 28 V                                                           |
| Topology                                                                                                                                                                                                                                                                                                                                                                                                                            | Buck                                      | Synchronous Rectifier            | Yes                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                             | 10-MSOP                                   | Series                           | Hyper Speed Control®                                                 |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Packaging                        | Tube                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                      | 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  | Output Type                      | Transistor Driver                                                    |
| Output Phases                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                                         | Output Configuration             | Positive                                                             |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                         | 576-3466-5                                | Operating Temperature            | -40°C ~ 125°C (TJ)                                                   |
| Number of Outputs                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                                         | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                     | 6 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                           |
| Function                                                                                                                                                                                                                                                                                                                                                                                                                            | Step-Down                                 | Frequency - Switching            | 300kHz                                                               |
| Duty Cycle (Max)                                                                                                                                                                                                                                                                                                                                                                                                                    | 87%                                       | Detailed Description             | Buck Regulator Positive Output Step-Down DC-DC Controller IC 10-MSOP |
| Control Features                                                                                                                                                                                                                                                                                                                                                                                                                    | Enable                                    | Clock Sync                       | No                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                    | MIC2164                                   |                                  |                                                                      |
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|  | Part#: <a href="#">MIC2165YML-TR</a><br>Description: IC REG CTRLR BUCK 32MLF    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC2168AYMM-TR</a><br>Description: IC REG CTRLR BUCK 10MSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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