

MIC38HC43-1YN



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**Part Number:** [MIC38HC43-1YN](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC REG CTRLR MULT TOPOLOGY 14DIP

**Data sheet:**  [MIC38HC42, 43, 44, 45](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                  |                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MIC38HC43-1YN                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC REG CTRLR MULT TOPOLOGY 14DIP          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 63982 pcs                                 | Data sheet                       | <a href="#">MIC38HC42, 43, 44, 45</a>                                                                                                                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 7.6 V ~ 20 V                                                                                                                                          |
| Topology                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Buck, Boost, Flyback, Forward Converter   | Synchronous Rectifier            | Yes                                                                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14-DIP                                    | Series                           | -                                                                                                                                                     |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | Packaging                        | Tube                                                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 14-DIP (0.300", 7.62mm)                   | Output Type                      | Transistor Driver                                                                                                                                     |
| Output Phases                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                                         | Output Configuration             | Positive, Isolation Capable                                                                                                                           |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1611-MIC38HC43-1YN                        | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                     |
| Number of Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                         | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                         |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                            |
| Function                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Step-Up, Step-Down, Step-Up/Step-Down     | Frequency - Switching            | -                                                                                                                                                     |
| Duty Cycle (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 96%                                       | Detailed Description             | Buck, Boost, Flyback, Forward Converter Regulator Positive, Isolation Capable Output Step-Up, Step-Down, Step-Up/Step-Down DC-DC Controller IC 14-DIP |
| Control Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Frequency Control                         | Clock Sync                       | No                                                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                     |
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|  | Part#: <a href="#">MIC38HC42BN</a><br>Description: IC REG CTRLR PWM CM 8-DIP           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MIC38HC42YN</a><br>Description: IC REG CTRLR PWM CM 8-DIP           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MIC38HC43BM-TR</a><br>Description: IC REG CTRLR MULT TOPOLOGY 8SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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