



Image may be representation.  
See specifications for product details.

### SY89856UMG

Part Number: **SY89856UMG**  
 Product Description: IC CLK BUFFER 2:6 3GHZ 32MLF  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [SY89856UMG.pdf](#)

Manufacturer/Brand: Micrel / Microchip Technology  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

[SUBMIT RFQ](#)

#### Product details

|   |   |  |   |
|---|---|--|---|
| <b>Part Number</b>                      | SY89856UMG  | <b>Manufacturer</b>                    | Micrel / Microchip Technology             |
| <b>Description</b>                      | IC CLK BUFFER 2:6 3GHZ 32MLF  | <b>Lead Free Status / RoHS Status</b>  | Lead free / RoHS Compliant                |
| <b>Data sheet</b>                       | SY89856UMG.pdf  |  |   |
| <b>Voltage - Supply</b>                 | 2.375 V ~ 3.6 V   | <b>Type</b>                            | Fanout Buffer (Distribution), Multiplexer |
| <b>Supplier Device Package</b>          | 32-MLF® (5x5)   | <b>Series</b>                          | Precision Edge®                           |
| <b>Ratio - Input:Output</b>             | 2:6   | <b>Packaging</b>                       | Tube                                      |
| <b>Package / Case</b>                   | 32-VFQFN Exposed Pad, 32-MLF®   | <b>Output</b>                          | LVPECL                                    |
| <b>Other Names</b>                      | 576-2102-5<br>SY89856UMG-ND   | <b>Operating Temperature</b>           | -40°C ~ 85°C                              |
| <b>Number of Circuits</b>               | 1   | <b>Mounting Type</b>                   | Surface Mount                             |
| <b>Moisture Sensitivity Level (MSL)</b> | 3 (168 Hours)   | <b>Manufacturer Standard Lead Time</b> | 6 Weeks                                   |
| <b>Lead Free Status / RoHS Status</b>   | Lead free / RoHS Compliant  | <b>Input</b>                           | CML, LVDS, PECL                           |
| <b>Frequency - Max</b>                  | 3GHz  | <b>Differential - Input:Output</b>     | Yes/Yes                                   |
| <b>Detailed Description</b>             | Clock Fanout Buffer (Distribution), Multiplexer IC 2:6 3GHz 32-VFQFN Exposed Pad, 32-MLF® | <b>Base Part Number</b>                | SY89856                                   |

#### Related Products

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| <p><b>SY89854UMY</b><br/>                 Manufacturers: Micrel / Microchip Technology<br/>                 Description: IC CLK BUFFER 1:4 3.5GHZ 16MLF<br/>                 Download: <a href="#">SY89854UMY.pdf</a></p> <p><a href="#">RFQ</a></p>         | <p><b>SY89859UMG</b><br/>                 Manufacturers: Micrel / Microchip Technology<br/>                 Description: IC MUX 8:1 LP 1:2 LVPECL 44MLF<br/>                 Download: <a href="#">SY89859UMG.pdf</a></p> <p><a href="#">RFQ</a></p>       |
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