



TRINAMIC Motion Control GmbH

## TMC5031-LA

|                      |                                |
|----------------------|--------------------------------|
| Part Number:         | TMC5031-LA                     |
| Manufacturer/Brand:  | TRINAMIC Motion Control GmbH   |
| Product description: | IC MOTOR DRIVER SPI 48QFN      |
| Datasheets:          | <a href="#">TMC5031-LA.pdf</a> |
| RoHS Status:         | Lead free / RoHS Compliant     |
| Stock Condition:     | 8351 pcs stock                 |
| Ship From:           | Hong Kong                      |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS          |

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.

### Specifications of TMC5031-LA

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | TMC5031-LA   |
| MANUFACTURER                     | TRINAMIC Motion Control GmbH                       |
| DESCRIPTION                      | IC MOTOR DRIVER SPI 48QFN                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                         |
| QUANTITY AVAILABLE               | 8351 pcs   |
| DATA SHEET                       | <a href="#">TMC5031-LA.pdf</a>                     |
| VOLTAGE - SUPPLY                 | 3.3 V ~ 5 V  |
| VOLTAGE - LOAD                   | 4.75 V ~ 16 V                                      |
| TECHNOLOGY                       | Power MOSFET                                       |
| SUPPLIER DEVICE PACKAGE          | 48-QFN (7x7)                                       |
| STEP RESOLUTION                  | 1 ~ 1/256  |
| SERIES                           | -  |
| PACKAGING                        | Tray   |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                               |
| OUTPUT CONFIGURATION             | Half Bridge (8)                                    |
| OTHER NAMES                      | 00-0112<br>1460-1049                               |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TJ)                                 |
| MOUNTING TYPE                    | Surface Mount                                      |
| MOTOR TYPE - STEPPER             | Bipolar  |
| MOTOR TYPE - AC, DC              | -  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                         |
| INTERFACE                        | SPI  |
| FUNCTION                         | Driver - Fully Integrated, Control and Power Stage |
| DETAILED DESCRIPTION             | Bipolar Motor Driver Power MOSFET SPI 48-QFN (7x7) |
| CURRENT - OUTPUT                 | -  |
| APPLICATIONS                     | General Purpose                                    |

### Related Tags

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|---|---|---|
| TRINAMIC Motion Control GmbH TMC5031-LA | TMC5031-LA Distributor                            | TMC5031-LA Supplier                               |
| TMC5031-LA Price                        | TMC5031-LA Pictures                               | TMC5031-LA Image                                  |
| TMC5031-LA PDF Datasheet                | TMC5031-LA Download Datasheet                     | TMC5031-LA Datasheet                              |
| TMC5031-LA Stock                        | Buy TMC5031-LA                                    | Buy TRINAMIC Motion Control GmbH TMC5031-LA       |
| TRINAMIC Motion Control GmbH TMC5031-LA | TRINAMIC Motion Control GmbH Supplier             | TRINAMIC Motion Control GmbH Distributor          |
| TRINAMIC Motion Control GmbH TMC5031-LA | TRINAMIC Motion Control GmbH & Co. KG. TMC5031-LA | TRINAMIC Motion Control GmbH & Co. KG. TMC5031-LA |

### Related Products

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|--|--|
| <p><b>TMC4671-ES</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: FOC SERVO CONTROLLER<br/>In stock: 5885 pcs</p> <p><a href="#">RFQ</a></p>                 | <p><b>TMC5031-LA-T</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: IC MOTOR DRIVER SPI 48QFN<br/>In stock: 20277 pcs</p> <p><a href="#">RFQ</a></p>             |
| <p><b>TMC4670-EVAL-KIT</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: EVAL-KIT FOR TMC4670<br/>In stock: 277 pcs</p> <p><a href="#">RFQ</a></p>            | <p><b>TMC5031-EVAL</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: EVAL MODULE FOR TMC5031<br/>In stock: 579 pcs</p> <p><a href="#">RFQ</a></p>                 |
| <p><b>TMC4670-EVAL</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: EVAL BOARD FOR TMC4670<br/>In stock: 388 pcs</p> <p><a href="#">RFQ</a></p>              | <p><b>TMC5062-EVAL</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: EVAL BOARD FOR TMC5062<br/>In stock: 1383 pcs</p> <p><a href="#">RFQ</a></p>                 |
| <p><b>TMC5041-BOB</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: BREAKOUTBOARD WITH TMC5041<br/>In stock: 4246 pcs</p> <p><a href="#">RFQ</a></p>          | <p><b>TMC5041-LA-T</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: IC MOTOR CONTROLLER/DRIVER SMD<br/>In stock: 22097 pcs</p> <p><a href="#">RFQ</a></p>        |
| <p><b>TMC5041-EVAL-KIT</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: EVAL KIT FOR TMC5041 MOTOR CTRL<br/>In stock: 614 pcs</p> <p><a href="#">RFQ</a></p> | <p><b>TMC4671-BOB</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: BREAKOUTBOARD FOR TMC4671<br/>In stock: 1840 pcs</p> <p><a href="#">RFQ</a></p>               |
| <p><b>TMC5041-EVAL</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: EVAL BOARD FOR TMC5041<br/>In stock: 1207 pcs</p> <p><a href="#">RFQ</a></p>             | <p><b>TMC4671+TMC-UPS-10A70V-EVAL-KIT</b><br/>Manufacturers: TRINAMIC Motion Control GmbH<br/>Description: EVAL KIT FOR TMC4671<br/>In stock: 247 pcs</p> <p><a href="#">RFQ</a></p> |