

ATA6843-PLQW-1



Part Number: [ATA6843-PLQW-1](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MOTOR CONTROLLER PAR 48VQFN

Data sheet:  [ATA6843,44](#)

RoHS Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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See Product Specifications for product details.  
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| PRODUCT PARAMETER               |                                            |                                  |                                                |
|---------------------------------|--------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                     | ATA6843-PLQW-1                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>  |
| Description                     | IC MOTOR CONTROLLER PAR 48VQFN             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available              | 101145 pcs                                 | Data sheet                       | <a href="#">ATA6843,44</a>                     |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply                 | 5.25 V ~ 32 V                                  |
| Voltage - Load                  | -                                          | Technology                       | Power MOSFET                                   |
| Supplier Device Package         | 48-QFN (7x7)                               | Step Resolution                  | -                                              |
| Series                          | Automotive, AEC-Q100                       | Packaging                        | Cut Tape (CT)                                  |
| Package / Case                  | 48-VFQFN Exposed Pad                       | Output Configuration             | Pre-Driver - Half Bridge (3)                   |
| Other Names                     | 1611-ATA6843-PLQW-1CT                      | Operating Temperature            | -40°C ~ 150°C (TA)                             |
| Mounting Type                   | Surface Mount                              | Motor Type - Stepper             | -                                              |
| Motor Type - AC, DC             | Brushless DC (BLDC)                        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                  |
| Manufacturer Standard Lead Time | 12 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Interface                       | LIN                                        | Function                         | Controller - Commutation, Direction Management |
| Detailed Description            | Motor Driver Power MOSFET LIN 48-QFN (7x7) | Current - Output                 | -                                              |
| Applications                    | Automotive                                 |                                  |                                                |

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|  | Part#: <a href="#">ATA6870-PLPW</a><br>Description: IC BATT MANAGEMENT/MEASURE 48QFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6844-PLQW-1</a><br>Description: IC MOTOR CONTROLLER PAR 48VQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6839-PXQW</a><br>Description: IC MOTOR DRIVER SER 24QFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6838C-PXQW-1</a><br>Description: IC MOTOR DRIVER SER 24QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6836C-PXQW-1</a><br>Description: IC HALF-BRIDGE DRVR SPI 24QFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6870N-PLPW</a><br>Description: LI-ION BATTERY MANAGEMENT IC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATA6870N-PLQW</a><br>Description: LI-ION BATTERY MANAGEMENT IC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATA6836C-TIQW</a><br>Description: IC HALF-BRIDGE DRVR SPI 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6844-DK</a><br>Description: BOARD KIT BLDC MOTOR DRIVER        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6837-PXQW 19</a><br>Description: IC MOTOR DRIVER SER 24QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6843-PLQW</a><br>Description: IC MOTOR CONTROLLER PAR 48VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATA6836C-TIQY-19</a><br>Description: IC MOTOR DRIVER SER SO28     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6838-PXQW</a><br>Description: IC MOTOR DRIVER SER 24QFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATA6844-PLQW</a><br>Description: IC MOTOR CONTROLLER PAR 48VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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| Related keywords for ATA6843-PLQW-1          |                                     |                                                       |                      |
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