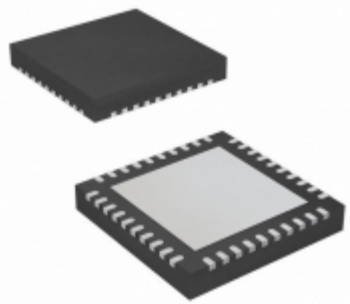


SI3453D-B01-GM



**SILICON LABS**

**Part Number:** [SI3453D-B01-GM](#)

**Manufacturer:** [Energy Micro \(Silicon Labs\)](#)

**Description:** IC POE CONTROLLER MIDSPAN 40QFN

**Data sheet:**  [SI3453](#)  
 [SI3452/3](#)

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

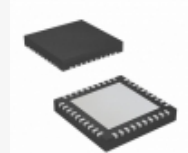
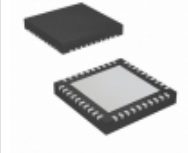
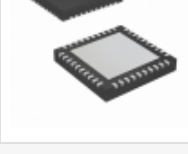
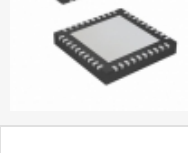
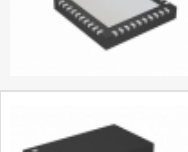
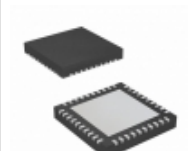
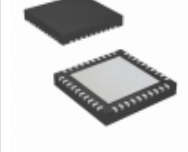
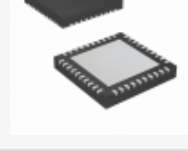
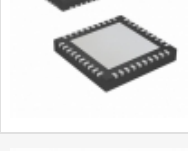
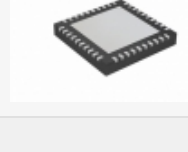
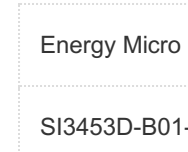
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SI3453D-B01-GM                            | Manufacturer                   | <a href="#">Energy Micro (Silicon Labs)</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC POE CONTROLLER MIDSPAN 40QFN           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3983 pcs                                  | Data sheet                     | <a href="#">SI3453</a><br><a href="#">SI3452/3</a>                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 45 V ~ 57 V                                                                         |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Controller (PSE)                          | Supplier Device Package        | 40-QFN (6x6)                                                                        |
| Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 802.3at (PoE+), 802.3af (PoE)             | Series                         | -                                                                                   |
| Power - Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 40W                                       | Packaging                      | Tube                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40-VFQFN Exposed Pad                      | Other Names                    | 336-1841-5                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -40°C ~ 85°C                              | Number of Channels             | 4                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                          |
| Internal Switch(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                                       | Detailed Description           | Power Over Ethernet Controller 4 Channel 802.3at (PoE+), 802.3af (PoE) 40-QFN (6x6) |
| Current - Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4mA                                       | Base Part Number               | SI3453                                                                              |
| Auxiliary Sense                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                        |                                |                                                                                     |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Energy Micro (Silicon Labs) series electronic components. We have 3983 pieces of Energy Micro (Silicon Labs) SI3453D-B01-GM in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                |                                                                                     |

| RELATED PRODUCTS                                                                   |                                                                                        |                                                             |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">SI3454-KIT</a><br>Description: EVAL KIT FOR SI3454 POE CTLR         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453D-B02-GM</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453A-B02-GM</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3454ADV-T1-GE3</a><br>Description: MOSFET N-CH 30V 3.4A 6TSOP     | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453C-B01-GM</a><br>Description: IC POE CONTROLLER MIDSPAN 40QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453B-B02-GM</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453DV-T1-GE3</a><br>Description: MOSFET P-CHANNEL 30V 3.4A 6TSOP | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453A-B01-GM</a><br>Description: IC POE CONTROLLER MIDSPAN 40QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3454-B01-IM</a><br>Description: IC POE PSE 4 PORT 802.3AT 38QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453B-B01-GM</a><br>Description: IC POE CONTROLLER MIDSPAN 40QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3454CDV-T1-E3</a><br>Description: MOSFET N-CH 30V 4.2A 6TSOP      | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3454CDV-T1-GE3</a><br>Description: MOSFET N-CH 30V 4.2A 6TSOP     | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3454-B01-IMR</a><br>Description: IC POE PSE 4 PORT 802.3AT 38QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453C-B02-GM</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453-B02-GMR</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3454ADV-T1-E3</a><br>Description: MOSFET N-CH 30V 3.4A 6-TSOP     | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453B-B02-GMR</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453A-B02-GMR</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453C-B02-GMR</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SI3453D-B02-GMR</a><br>Description: IC POE PSE PORT CTLR QUAD 40QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a>  | <a href="#">RFQ</a> |

|                                            |                             |                                            |                                     |
|--------------------------------------------|-----------------------------|--------------------------------------------|-------------------------------------|
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| Silicon Labs SI3453D-B01-GM                |                             |                                            |                                     |