



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

SI8642BC-B-IS1R

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI8642BC-B-IS1R                                                                                              |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | DGTL ISO 3.75KV GEN PURP 16SOIC                                                                              |
| Datasheets:         |  SI8642BC-B-IS1R.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 32448 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of SI8642BC-B-IS1R

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI8642BC-B-IS1R                                                                                         |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                             |
| DESCRIPTION                          | DGTL ISO 3.75KV GEN PURP 16SOIC                                                                         |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE                   | 32448 pcs                                                                                               |
| DATA SHEET                           |  SI8642BC-B-IS1R.pdf |
| VOLTAGE - SUPPLY                     | 2.5 V ~ 5.5 V                                                                                           |
| VOLTAGE - ISOLATION                  | 3750Vrms                                                                                                |
| TYPE                                 | General Purpose                                                                                         |
| TECHNOLOGY                           | Capacitive Coupling                                                                                     |
| SUPPLIER DEVICE PACKAGE              | 16-SOIC                                                                                                 |
| SERIES                               | -                                                                                                       |
| RISE / FALL TIME (TYP)               | 2.5ns, 2.5ns                                                                                            |
| PULSE WIDTH DISTORTION (MAX)         | 4.5ns                                                                                                   |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 13ns, 13ns                                                                                              |
| PACKAGING                            | Tape & Reel (TR)                                                                                        |
| PACKAGE / CASE                       | 16-SOIC (0.154", 3.90mm Width)                                                                          |
| OTHER NAMES                          | 336-4941-2<br>SI8642BC-B-IS1R-ND                                                                        |
| OPERATING TEMPERATURE                | -40°C ~ 125°C                                                                                           |
| NUMBER OF CHANNELS                   | 4                                                                                                       |
| MOUNTING TYPE                        | Surface Mount                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 2A (4 Weeks)                                                                                            |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                              |
| ISOLATED POWER                       | No                                                                                                      |
| INPUTS - SIDE 1/SIDE 2               | 2/2                                                                                                     |
| DETAILED DESCRIPTION                 | General Purpose Digital Isolator 3750Vrms 4 Channel 150Mbps 35kV/μs CMTI 16-SOIC (0.154", 3.90mm Width) |
| DATA RATE                            | 150Mbps                                                                                                 |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 35kV/μs                                                                                                 |
| CHANNEL TYPE                         | Unidirectional                                                                                          |

Related Tags

|                                             |                                      |                                                 |
|---------------------------------------------|--------------------------------------|-------------------------------------------------|
| Energy Micro (Silicon Labs) SI8642BC-B-IS1R | SI8642BC-B-IS1R Distributor          | SI8642BC-B-IS1R Supplier                        |
| SI8642BC-B-IS1R Price                       | SI8642BC-B-IS1R Pictures             | SI8642BC-B-IS1R Image                           |
| SI8642BC-B-IS1R PDF Datasheet               | SI8642BC-B-IS1R Download Datasheet   | SI8642BC-B-IS1R Datasheet                       |
| SI8642BC-B-IS1R Stock                       | Buy SI8642BC-B-IS1R                  | Buy Energy Micro (Silicon Labs) SI8642BC-B-IS1R |
| Energy Micro (Silicon Labs) SI8642BC-B-IS1R | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor         |
| Energy Micro (Silicon Labs) SI8642BC-B-IS1R | Energy Micro SI8642BC-B-IS1R         | Energy Micro (Silicon Labs) SI8642BC-B-IS1R     |
| Silicon Laboratories SI8642BC-B-IS1R        | Silicon Labs SI8642BC-B-IS1R         |                                                 |

Related Products

|                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                            |
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| <div></div> <div><b>SI8642BB-B-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 41394 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>SI8642BD-B-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 29317 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>SI8642BD-B-IS2R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: QUAD CH 5KV ISOLATOR, 150M, 2/2,<br/>In stock: 31918 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>SI8642BB-B-IUR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 47530 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>SI8642BD-B-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 34388 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>SI8642BD-B-IS2</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: QUAD CH 5KV ISOLATOR<br/>In stock: 24393 pcs<br/><div>RFQ</div></div>            |
| <div></div> <div><b>SI8642BT-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 25324 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>SI8642BB-B-IU</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 39598 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>SI8642BC-B-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GEN PURP 16SOIC<br/>In stock: 32791 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>SI8642BB-B-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 44031 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>SI8642BB-B-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 40567 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>SI8642BT-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 24505 pcs<br/><div>RFQ</div></div>   |