



Energy Micro (Silicon Labs)



SI8640EC-B-IS1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI8640EC-B-IS1                                                                                               |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | DGTL ISO 3.75KV GEN PURP 16SOIC                                                                              |
| Datasheets:         |  SI8640EC-B-IS1.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 28139 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of SI8640EC-B-IS1

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI8640EC-B-IS1                                                                                          |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                             |
| DESCRIPTION                          | DGTL ISO 3.75KV GEN PURP 16SOIC                                                                         |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE                   | 28139 pcs                                                                                               |
| DATA SHEET                           |  SI8640EC-B-IS1.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                            | Tube                                                                                                    |
| PACKAGE / CASE                       | 16-SOIC (0.154", 3.90mm Width)                                                                          |
| OTHER NAMES                          | 336-2084-5<br>SI8640ECBIS1                                                                              |
| OPERATING TEMPERATURE                | -40°C ~ 125°C                                                                                           |
| NUMBER OF CHANNELS                   | 4                                                                                                       |
| MOUNTING TYPE                        | Surface Mount                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 2 (1 Year)                                                                                              |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                              |
| ISOLATED POWER                       | No                                                                                                      |
| INPUTS - SIDE 1/SIDE 2               | 4/0                                                                                                     |
| 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) SI8640EC-B-IS1 | SI8640EC-B-IS1 Distributor           | SI8640EC-B-IS1 Supplier                        |
| SI8640EC-B-IS1 Price                       | SI8640EC-B-IS1 Pictures              | SI8640EC-B-IS1 Image                           |
| SI8640EC-B-IS1 PDF Datasheet               | SI8640EC-B-IS1 Download Datasheet    | SI8640EC-B-IS1 Datasheet                       |
| SI8640EC-B-IS1 Stock                       | Buy SI8640EC-B-IS1                   | Buy Energy Micro (Silicon Labs) SI8640EC-B-IS1 |
| Energy Micro (Silicon Labs) SI8640EC-B-IS1 | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor        |
| Energy Micro (Silicon Labs) SI8640EC-B-IS1 | Energy Micro SI8640EC-B-IS1          | Energy Micro (Silicon Labs) SI8640EC-B-IS1     |
| Silicon Laboratories SI8640EC-B-IS1        | Silicon Labs SI8640EC-B-IS1          |                                                |

Related Products

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|  <div>SI8640BT-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 25704 pcs<br/>RFQ</div>    |  <div>SI8640BD-B-IS2R<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV ISOLATOR, 150M, 4/0,<br/>In stock: 28648 pcs<br/>RFQ</div> |
|  <div>SI8640EC-B-IS1R<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GEN PURP 16SOIC<br/>In stock: 37627 pcs<br/>RFQ</div>  |  <div>SI8640BT-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 22748 pcs<br/>RFQ</div>      |
|  <div>SI8640ED-B-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 29953 pcs<br/>RFQ</div>   |  <div>SI8640BD-B-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 29667 pcs<br/>RFQ</div>   |
|  <div>SI8640ED-B-IS2<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: QUAD CH 5KV ISOLATOR<br/>In stock: 25522 pcs<br/>RFQ</div>              |  <div>SI8640ET-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 25836 pcs<br/>RFQ</div>      |
|  <div>SI8640ED-B-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC<br/>In stock: 29399 pcs<br/>RFQ</div>  |  <div>SI8640EB-B-IU<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: QUAD CH 2.5KV ISOLATOR, 150M, 4/<br/>In stock: 41766 pcs<br/>RFQ</div>    |
|  <div>SI8640ED-B-IS2R<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: QUAD CH 5KV ISOLATOR, 150M, 4/0,<br/>In stock: 26360 pcs<br/>RFQ</div> |  <div>SI8640EB-B-IUR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: QUAD CH 2.5KV ISOLATOR, 150M, 4/<br/>In stock: 38694 pcs<br/>RFQ</div>   |