



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

SI82396AB-IS1R

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI82396AB-IS1R                                                                                               |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | DGTL ISO 2.5KV GATE DVR 16SOIC                                                                               |
| Datasheets:         |  SI82396AB-IS1R.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 53063 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of SI82396AB-IS1R

|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI82396AB-IS1R                                                                                         |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                            |
| DESCRIPTION                          | DGTL ISO 2.5KV GATE DVR 16SOIC                                                                         |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE                   | 53063 pcs                                                                                              |
| DATA SHEET                           |  SI82396AB-IS1R.pdf |
| VOLTAGE - SUPPLY                     | 6.5 V ~ 24 V                                                                                           |
| VOLTAGE - ISOLATION                  | 2500Vrms                                                                                               |
| VOLTAGE - FORWARD (VF) (TYP)         | -                                                                                                      |
| TECHNOLOGY                           | Capacitive Coupling                                                                                    |
| SUPPLIER DEVICE PACKAGE              | 16-SOIC                                                                                                |
| SERIES                               | Automotive, AEC-Q100                                                                                   |
| RISE / FALL TIME (TYP)               | 12ns, 12ns (Max)                                                                                       |
| PULSE WIDTH DISTORTION (MAX)         | 5.6ns                                                                                                  |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 40ns, 40ns                                                                                             |
| PACKAGING                            | Tape & Reel (TR)                                                                                       |
| PACKAGE / CASE                       | 16-SOIC (0.154", 3.90mm Width)                                                                         |
| OPERATING TEMPERATURE                | -40°C ~ 125°C                                                                                          |
| NUMBER OF CHANNELS                   | 2                                                                                                      |
| MOUNTING TYPE                        | Surface Mount                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 2A (4 Weeks)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                             |
| DETAILED DESCRIPTION                 | 4A Gate Driver Capacitive Coupling 2500Vrms 2 Channel 16-SOIC                                          |
| CURRENT - PEAK OUTPUT                | 4A                                                                                                     |
| CURRENT - OUTPUT HIGH, LOW           | 2A, 4A                                                                                                 |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 35kV/μs                                                                                                |
| APPROVALS                            | CQC, CSA, UR, VDE                                                                                      |

Related Tags

|                                            |                                      |                                                |
|--------------------------------------------|--------------------------------------|------------------------------------------------|
| Energy Micro (Silicon Labs) SI82396AB-IS1R | SI82396AB-IS1R Distributor           | SI82396AB-IS1R Supplier                        |
| SI82396AB-IS1R Price                       | SI82396AB-IS1R Pictures              | SI82396AB-IS1R Image                           |
| SI82396AB-IS1R PDF Datasheet               | SI82396AB-IS1R Download Datasheet    | SI82396AB-IS1R Datasheet                       |
| SI82396AB-IS1R Stock                       | Buy SI82396AB-IS1R                   | Buy Energy Micro (Silicon Labs) SI82396AB-IS1R |
| Energy Micro (Silicon Labs) SI82396AB-IS1R | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor        |
| Energy Micro (Silicon Labs) SI82396AB-IS1R | Energy Micro SI82396AB-IS1R          | Energy Micro (Silicon Labs) SI82396AB-IS1R     |
| Silicon Laboratories SI82396AB-IS1R        | Silicon Labs SI82396AB-IS1R          |                                                |

Related Products

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>SI82396BD-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 35816 pcs<br/>RFQ</div>  |  <div>SI82395CB-IS1<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DVR 16SOIC<br/>In stock: 34303 pcs<br/>RFQ</div>   |
|  <div>SI82396BB-IS1R<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DVR 16SOIC<br/>In stock: 45439 pcs<br/>RFQ</div>  |  <div>SI82395CB-IS1R<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DVR 16SOIC<br/>In stock: 44711 pcs<br/>RFQ</div>  |
|  <div>SI82396BD-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 40201 pcs<br/>RFQ</div> |  <div>SI82396AD-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 36735 pcs<br/>RFQ</div> |
|  <div>SI82396AD-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 34954 pcs<br/>RFQ</div>  |  <div>SI82395CD-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 37884 pcs<br/>RFQ</div> |
|  <div>SI82396AB-IS1<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DVR 16SOIC<br/>In stock: 40385 pcs<br/>RFQ</div>   |  <div>SI82395BD-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 40167 pcs<br/>RFQ</div> |
|  <div>SI82395CD-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 35379 pcs<br/>RFQ</div>  |  <div>SI82396BB-IS1<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DVR 16SOIC<br/>In stock: 34523 pcs<br/>RFQ</div>   |