



Micrel / Microchip Technology



MCP23008T-E/SO

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCP23008T-E/SO                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC I/O EXPANDER I2C 8B 18SOIC                                                                                |
|                     |  1.MCP23008T-E/SO.pdf       |
|                     |  2.MCP23008T-E/SO.pdf       |
|                     |  3.MCP23008T-E/SO.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 126187 pcs stock                                                                                             |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

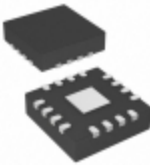
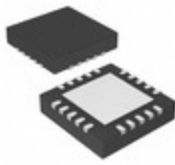
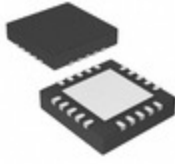
Specifications of MCP23008T-E/SO

|                                  |                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCP23008T-E/SO                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | IC I/O EXPANDER I2C 8B 18SOIC                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 126187 pcs                                                                                                                                                                                                                                                                                                                       |
| DATA SHEET                       |  1.MCP23008T-E/SO.pdf<br> 2.MCP23008T-E/SO.pdf<br> 3.MCP23008T-E/SO.pdf |
| VOLTAGE - SUPPLY                 | 1.8 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 18-SOIC                                                                                                                                                                                                                                                                                                                          |
| SERIES                           | -                                                                                                                                                                                                                                                                                                                                |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 18-SOIC (0.295", 7.50mm Width)                                                                                                                                                                                                                                                                                                   |
| OUTPUT TYPE                      | Push-Pull                                                                                                                                                                                                                                                                                                                        |
| OTHER NAMES                      | MCP23008T-E/SO-ND<br>MCP23008T-E/SOTR                                                                                                                                                                                                                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 125°C                                                                                                                                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 8                                                                                                                                                                                                                                                                                                                                |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                       |
| INTERRUPT OUTPUT                 | Yes                                                                                                                                                                                                                                                                                                                              |
| INTERFACE                        | I²C                                                                                                                                                                                                                                                                                                                              |
| FEATURES                         | POR                                                                                                                                                                                                                                                                                                                              |
| DETAILED DESCRIPTION             | I/O Expander 8 I²C 1.7MHz 18-SOIC                                                                                                                                                                                                                                                                                                |
| CURRENT - OUTPUT SOURCE/SINK     | 25mA                                                                                                                                                                                                                                                                                                                             |
| CLOCK FREQUENCY                  | 1.7MHz                                                                                                                                                                                                                                                                                                                           |
| BASE PART NUMBER                 | MCP23008                                                                                                                                                                                                                                                                                                                         |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology MCP23008T-E/SO | MCP23008T-E/SO Distributor             | MCP23008T-E/SO Supplier                               |
| MCP23008T-E/SO Price                         | MCP23008T-E/SO Pictures                | MCP23008T-E/SO Image                                  |
| MCP23008T-E/SO PDF Datasheet                 | MCP23008T-E/SO Download Datasheet      | MCP23008T-E/SO Datasheet                              |
| MCP23008T-E/SO Stock                         | Buy MCP23008T-E/SO                     | Buy Micrel / Microchip Technology MCP23008T-E/SO      |
| Micrel / Microchip Technology MCP23008T-E/SO | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology MCP23008T-E/SO | Microchip Technology MCP23008T-E/SO    | Roving Networks / Microchip Technology MCP23008T-E/SO |

Related Products

|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MCP23009-E/MG</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 16QFN<br/>In stock: 72722 pcs<br/>RFQ</div>  |  <div><b>MCP23008T-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 20QFN<br/>In stock: 78987 pcs<br/>RFQ</div>       |
|  <div><b>MCP23008-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 18SOIC<br/>In stock: 80319 pcs<br/>RFQ</div> |  <div><b>MCP23008T-E/SSVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 8-BIT I/O EXPANDER WITH I2C INTE<br/>In stock: 2963 pcs<br/>RFQ</div> |
|  <div><b>MCP23009-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 18DIP<br/>In stock: 110497 pcs<br/>RFQ</div>  |  <div><b>MCP23009-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 18SOIC<br/>In stock: 88942 pcs<br/>RFQ</div>       |
|  <div><b>MCP23008-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 18DIP<br/>In stock: 99550 pcs<br/>RFQ</div>   |  <div><b>MCP23008T-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER 8BIT I2C 20-SSOP<br/>In stock: 96964 pcs<br/>RFQ</div>   |
|  <div><b>MCP23009-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 20SSOP<br/>In stock: 75434 pcs<br/>RFQ</div> |  <div><b>MCP23008-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 20QFN<br/>In stock: 88575 pcs<br/>RFQ</div>        |
|  <div><b>MCP23008-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC I/O EXPANDER I2C 8B 20SSOP<br/>In stock: 89032 pcs<br/>RFQ</div> |  <div><b>MCP23008-E/SSVAO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 8-BIT I/O EXPANDER WITH I2C<br/>In stock: 6208 pcs<br/>RFQ</div>       |