



Linear Integrated Systems

# SD5000/SD5400 Series Ordering and Part Marking Information

5/22/09

SUBJECT: SD5000/SD5400 Series Ordering and Part Marking Information

The SD5000/SD5400 Series Quad N-Channel Lateral DMOS Switches with Zener Diodes are offered in a PDIP, 16 lead package and includes the following part numbers: **SD5000N, SD5001N**

The SD5000/SD5400 Series Quad N-Channel Lateral DMOS Switches with Zener Diodes are offered in a CERDIP, 16 lead package and includes the following part numbers: **SD5000I**

The SD5000/SD5400 Series Single N-Channel Lateral DMOS Switches with Zener Diodes are offered in a SOIC, 14 lead package and includes the following part numbers: **SD5400CY, SD5401CY**

### Ordering Information:

Parts are available with ROHS Compliant/Leadfree package versions as well as package versions that contain lead. Parts are available tested to the Standard Datasheet limits and conditions, as well and Special limits and conditions provided by the customer. When ordering your part please be aware of the 4 options you have:

- SD5000N PDIP 16L**-----Electrically tested to Standard Datasheet Limits/Conditions, Lead or Leadfree/ROHS compliant package not specified.
- SD5000N PDIP 16L-Select**-----Electrically tested to Special Customer Limits/Conditions, Lead or Leadfree/ROHS Compliant package not specified.
- SD5000N PDIP 16L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested.
- SD5000N PDIP 16L -ROHS-Select**----Electrically tested to Special Customer Limits/Conditions, leadfree /ROHS Compliant package requested.
- SD5000I CDIP 16L**-----Electrically tested to Standard Datasheet Limits/Conditions, Lead or Leadfree/ROHS compliant package not specified.
- SD5000I CDIP 16L-Select**-----Electrically tested to Special Customer Limits/Conditions, Lead or Leadfree/ROHS Compliant package not specified.
- SD5000I CPIP 16L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested.
- SD5000I CPIP 16L -ROHS-Select**----Electrically tested to Special Customer Limits/Conditions, Leadfree/ROHS Compliant package requested.

- SD5400CY SOIC 16L**-----Electrically tested to Standard Datasheet Limits/Conditions, Lead or Leadfree/ROHS compliant package not specified.
- SD5400CY SOIC 16L-Select**-----Electrically tested to Special Customer Limits/Conditions, Lead or Leadfree/ROHS Compliant package not specified.
- SD5400CY SOIC 16L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree /ROHS Compliant package requested, marked with the letter “F”
- SD5400CY SOIC 16L-ROHS-Select**-----Electrically tested to Special Customer Limits/Conditions, Leadfree /ROHS Compliant package requested., marked with the letter “F”

**Important Part Marking Information:**

In the event you are ordering multiple versions of the SD5000/SD5400 series it is very important that you **keep both groups of parts separate from each other and do not mix.** Each container/reel/bag of parts is labeled with the complete part number you have ordered. **The parts are NOT marked with the complete part number. The parts are marked with the SAME part number, and can be easily mixed with the wrong part number in the event proper inventory control procedures are not followed at customer level.** As a result of our manufacturing flow, the entire wafer may contain more than one part number per wafer. The entire wafer is tested to the all of the SD5000/SD5400 limits. The wafer is sent out for assembly where the parts are marked prior to test. At test, the parts are separated into the individual part numbers then labeled and placed into inventory. Due to the space restrictions on the number of digits we can print on the two different package types, and our inability to remark the part after test limit our ability mark individual or complete part numbers.

**Device Marking Prior to Date Code 0900:**

Prior to date code 0900, there were different devices marking which may have been used. We now are standardizing our part marking avoid confusion at the customer level. All of the part marking that is listed in this document represents how the devices will be marked in the future. Any different marking represents old/past part marking which has been replace with the part marking as listed below.

| Vishay/Siliconix Part Number | Package  | LIS Part Number              | Part Marking            |
|------------------------------|----------|------------------------------|-------------------------|
| SD5000N                      | PDIP 16L | SD5000N DPIP 16L             | LS SD500 or LS SD500F   |
|                              |          | SD5000N DPIP 16L SELECT      | LS SD500 or LS SD500F   |
|                              |          | SD5000N DPIP 16L RoHS        | LS SD500F               |
|                              |          | SD5000N DPIP 16L RoHS SELECT | LS SD500F               |
| SD5001N                      | PDIP 16L | SD5001N DPIP 16L             | LS SD500 or LS SD500F   |
|                              |          | SD5001N DPIP 16L SELECT      | LS SD500 or LS SD500F   |
|                              |          | SD5001N DPIP 16L RoHS        | LS SD500F               |
|                              |          | SD5001N DPIP 16L RoHS SELECT | LS SD500F               |
| SD5000I                      | CDIP 16L | SD5000I CDIP 16L             | LS SD5000 or LS SD5000F |
|                              |          | SD5000I CDIP 16L SELECT      | LS SD5000 or LS SD5000F |
|                              |          | SD5000I CDIP 16L RoHS        | LS SD5000F              |
|                              |          | SD5000I CDIP 16L RoHS SELECT | LS SD5000F              |

|          |          |                               |                       |
|----------|----------|-------------------------------|-----------------------|
| SD5400CY | SOIC 14L | SD5400CY SOIC 14L             | LS SD540 or LS SD540F |
|          |          | SD5400CY SOIC 14L SELECT      | LS SD540 or LS SD540F |
|          |          | SD5400CY SOIC 14L RoHS        | LS SD540F             |
|          |          | SD5400CY SOIC 14L RoHS SELECT | LS SD540F             |
| SD5401CY | SOIC 14L | SD5401CY SOIC 14L             | LS SD540 or LS SD540F |
|          |          | SD5401CY SOIC 14L SELECT      | LS SD540 or LS SD540F |
|          |          | SD5401CY SOIC 14L RoHS        | LS SD540F             |
|          |          | SD5401CY SOIC 14L RoHS SELECT | LS SD540F             |