## NLAS3899B

## Dual DPDT Low Ron, Low Capacitance Switch

The NLAS3899B is a dual DPDT analog switch designed for low power audio and dual SIM card applications. The low $\mathrm{R}_{\mathrm{ON}}$ of $3.0 \Omega$ (typical) is ideal for routing audio signals to or from a moderately high impedance load. In addition, the low $\mathrm{C}_{\mathrm{ON}}$ of 20 pF (typical) gives the NLAS3899B a high bandwidth of 280 MHz , perfect for dual SIM card applications.

## Features

- Single Supply Operation
1.65 to $4.3 \mathrm{~V} \mathrm{~V}_{\mathrm{CC}}$

Function Directly from Li-Ion Battery

- Low ON Resistance (3.0 $\Omega$ Typical Across $\mathrm{V}_{\mathrm{CC}}$ )
- Low Con (20 pF Typical)
- Bandwidth 280 MHz
- Maximum Breakdown Voltage: 5.5 V
- Low Static Power
- Interfaces with 1.8 V Chipset
- These are $\mathrm{Pb}-$ Free Devices


## Typical Applications

- Cell Phone Speaker/Microphone Switching
- Ringtone-Chip/Amplifier Switching
- Dual SIM Card Data Switching
- Four Unbalanced (Single-Ended) Switches


## Important Information

- ESD Protection:

Human Body Model (HBM) 1000 V - All Pins $5000 \mathrm{~V}-\mathrm{I} / \mathrm{O}$ to GND

- Continuous Current Rating Through each Switch $\pm 300 \mathrm{~mA}$
- Conforms to: JEDEC MO-220, Issue H, Variation VEED-6
- Package:
- $1.8 \times 2.6 \times 0.75 \mathrm{~mm}$ WQFN16 Pb-Free
- $3.0 \times 3.0 \times 0.9 \mathrm{~mm}$ QFN16 Pb-Free

ON Semiconductor ${ }^{\circledR}$
http://onsemi.com


| XX | $=$ Specific Device Code |
| :--- | :--- |
| A | $=$ Assembly Location |
| M | $=$ Date Code/Assembly Location |
| L | $=$ Wafer Lot |
| Y | $=$ Year |
| W | $=$ Work Week |
| - | $=$ Pb-Free Package |

(Note: Microdot may be in either location)


## ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 8 of this data sheet.

## NLAS3899B



Figure 1. Input Equivalent Circuit

## PIN DESCRIPTION

| QFN PIN \# | Symbol | Name and Function |
| :---: | :---: | :--- |
| $1,3,5,7,9,11,13,15$ | NO A-D, NC A-D | Independent Channels |
| 2,10 | A-B IN, C-D IN | Controls |
| $4,8,12,16$ | COM A-D | Common Channels |
| 6 | GND | Ground (V) |
| 14 | VCC | Positive Supply Voltage |

## TRUTH TABLE

| IN | NO | NC |
| :---: | :---: | :---: |
| H | ON | OFF* |
| L | OFF* | ON |

*High impedance.

## OPERATING CONDITIONS

## MAXIMUM RATINGS

| Symbol | Pins | Parameter | Value | Condition | Unit |
| :---: | :---: | :--- | :---: | :---: | :---: |
| $\mathrm{V}_{\mathrm{CC}}$ | $\mathrm{V}_{\mathrm{CC}}$ | Positive DC Supply Voltage | -0.5 to +5.5 |  | V |
| $\mathrm{~V}_{\mathrm{IS}}$ | NOX, NCX, or <br> COMx | Analog Signal Voltage | -0.5 to $\mathrm{V}_{\mathrm{CC}}+0.5$ |  | V |
| $\mathrm{~V}_{\mathrm{IN}}$ | A-B IN, C-D IN | Control Input Voltage | -0.5 to 5.5 |  | V |
| $\mathrm{I}_{\mathrm{IS} \text { _CON }}$ | NOx, NCX, or <br> COMx | Analog Signal Continuous Current | $\pm 300$ | Closed Switch | mA |
| $\mathrm{I}_{\text {IS_PK }}$ | NOx, NCx, or <br> COMx | Analog Signal Peak Current | $\pm 500$ | $10 \%$ Duty Cycle | mA |
| $\mathrm{I}_{\mathrm{IN}}$ | A-B IN, C-D IN | Control Input Current | $\pm 20$ |  | mA |
| $\mathrm{~T}_{\text {STG }}$ |  | Storage Temperature Range | -65 to 150 |  | ${ }^{\circ} \mathrm{C}$ |

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

## RECOMMENDED OPERATING CONDITIONS

| Symbol | Pins | Parameter | Value | Condition | Unit |
| :---: | :---: | :--- | :---: | :---: | :---: |
| $\mathrm{V}_{\mathrm{CC}}$ | $\mathrm{V}_{\mathrm{CC}}$ | Positive DC Supply Voltage | 1.65 to 4.3 |  | V |
| $\mathrm{~V}_{\mathrm{IS}}$ | NOx, NCx, or <br> COMx | Analog Signal Voltage | GND to $\mathrm{V}_{\mathrm{CC}}$ |  | V |
| $\mathrm{V}_{\mathrm{IN}}$ | A-B IN, C-D IN | Control Input Voltage | GND to 4.3 |  | V |
| $\mathrm{~T}_{\mathrm{A}}$ |  | Operating Temperature Range | -40 to +85 |  | ${ }^{\circ} \mathrm{C}$ |
| $\mathrm{t}_{\mathrm{r}}, \mathrm{t}_{\mathrm{f}}$ |  | Input Rise or Fall Time | 20 | $\mathrm{~V}_{\mathrm{CC}}=1.6 \mathrm{~V}-2.7 \mathrm{~V}$ | $\mathrm{~ns} / \mathrm{V}$ |
|  |  |  | 10 | $\mathrm{~V}_{\mathrm{CC}}=3.0 \mathrm{~V}-4.5 \mathrm{~V}$ |  |

Minimum and maximum values are guaranteed through test or design across the Recommended Operating Conditions, where applicable. Typical values are listed for guidance only and are based on the particular conditions listed for each section, where applicable. These conditions are valid for all values found in the characteristics tables unless otherwise specified in the test conditions.

ESD PROTECTION

| Pins | Description | Minimum Voltage |
| :--- | :---: | :---: |
| All Pins | Human Body Model | 1 kV |
| I/O to GND | Human Body Model | 5 kV |

## NLAS3899B

## DC Electrical Characteristics

Typical: $\mathrm{T}=25^{\circ} \mathrm{C}$; $\mathrm{V}_{\mathrm{CC}}=3.0 \mathrm{~V}$

CONTROL INPUT (Typical: $\mathrm{T}=25^{\circ} \mathrm{C} ; \mathrm{V}_{\mathrm{CC}}=3.0 \mathrm{~V}$ )

| Symbol | Pins | Parameter | Test Conditions | $V_{c c}$ <br> (V) | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |  |  | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Min | Typ | Max |  |
| $\mathrm{V}_{\mathrm{IH}}$ | $\begin{aligned} & \hline \text { A-B IN, } \\ & \text { C-D IN } \end{aligned}$ | Control Input High |  | $\begin{aligned} & \hline 3.0 \\ & 4.3 \end{aligned}$ | $\begin{aligned} & 1.3 \\ & 1.6 \end{aligned}$ |  |  | V |
| VIL | $\begin{aligned} & \text { A-B IN, } \\ & \text { C-D IN } \end{aligned}$ | Control Input Low |  | $\begin{aligned} & 3.0 \\ & 4.3 \end{aligned}$ |  |  | $\begin{aligned} & 0.5 \\ & 0.6 \end{aligned}$ | V |
| IN | $\begin{aligned} & \hline \text { A-B IN, } \\ & \text { C-D IN } \end{aligned}$ | Control Input Leakage | $0 \leq \mathrm{V}_{\text {IN }} \leq \mathrm{V}_{\mathrm{CC}}$ | 4.3 |  | $\pm 0.1$ | $\pm 1.0$ | $\mu \mathrm{A}$ |

SUPPLY CURRENT AND LEAKAGE (Typical: $\mathrm{T}=25^{\circ} \mathrm{C} ; \mathrm{V}_{\mathrm{CC}}=3.0 \mathrm{~V}$ )

| Symbol | Pins | Parameter | Test Conditions | $V_{c c}$ <br> (V) | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |  |  | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Min | Typ | Max |  |
| ${ }^{I_{\mathrm{NO}} / \mathrm{NC}}$ (OFF) | NCx, NOx | OFF State Leakage | $\mathrm{V}_{\mathrm{IN}}=\mathrm{V}_{\mathrm{IL}}$ or $\mathrm{V}_{\mathrm{IH}}$ <br> $\mathrm{V}_{\mathrm{NC} / \mathrm{NO}}=0.3 \mathrm{~V}$ <br> $\mathrm{V}_{\mathrm{COM}}=4.0 \mathrm{~V}$ | 4.3 |  | $\pm 10$ | $\pm 300$ | nA |
| $\begin{aligned} & I_{\mathrm{COM}} \\ & \text { (ON) } \end{aligned}$ | COMx | ON State Leakage | $\mathrm{V}_{\mathrm{IN}}=\mathrm{V}_{\mathrm{IL}}$ or $\mathrm{V}_{\mathrm{IH}}$ <br> $\mathrm{V}_{\mathrm{NO}}=0.3 \mathrm{~V}$ or 4.0 V with <br> $\mathrm{V}_{\mathrm{NC}}$ floating or <br> $\mathrm{V}_{\mathrm{NC}}=0.3 \mathrm{~V}$ or 4.0 V with <br> $\mathrm{V}_{\mathrm{NO}}$ floating <br> $\mathrm{V}_{\mathrm{COM}}=0.3 \mathrm{~V}$ or 4.0 V | 4.3 |  | $\pm 10$ | $\pm 300$ | nA |
| Icc | $\mathrm{V}_{\mathrm{CC}}$ | Quiescent Supply | $\begin{aligned} & V_{I N} \text { and } V_{I S}=V_{C C} \text { or } G N D \\ & I_{D}=0 \mathrm{~A} \end{aligned}$ | 1.65-4.3 |  | $\pm 1.0$ | $\pm 2.0$ | $\mu \mathrm{A}$ |
| IofF | $\begin{aligned} & \text { A-B IN, } \\ & \text { C-D IN } \end{aligned}$ | Power Off Leakage | $\mathrm{V}_{\text {IN }}=4.3 \mathrm{~V}$ or GND | 0 |  | $\pm 0.5$ | $\pm 2.0$ | $\mu \mathrm{A}$ |

ON RESISTANCE (Typical: $\mathrm{T}=25^{\circ} \mathrm{C} ; \mathrm{V}_{\mathrm{CC}}=3.0 \mathrm{~V}$ )

| Symbol | Pins | Parameter | Test Conditions | $\begin{aligned} & V_{C C} \\ & \text { (V) } \end{aligned}$ | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |  |  | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Min | Typ | Max |  |
| Ron | $\begin{aligned} & \text { NOx, NCx } \\ & \text { COMx } \end{aligned}$ | ON Resistance | $\begin{aligned} & \mathrm{I}_{\mathrm{ON}}=-100 \mathrm{~mA} \\ & \mathrm{~V}_{\mathrm{IS}}=0 \text { to } \mathrm{V}_{\mathrm{CC}} \end{aligned}$ | $\begin{aligned} & 2.5 \\ & 3.0 \\ & 3.6 \\ & 4.3 \end{aligned}$ |  | $\begin{aligned} & 3.0 \\ & 2.6 \\ & 2.5 \\ & 2.2 \end{aligned}$ | $\begin{aligned} & 4.0 \\ & 3.0 \\ & 3.0 \\ & 2.5 \end{aligned}$ | $\Omega$ |
| $\mathrm{R}_{\text {FLAT }}$ | $\begin{aligned} & \text { NOX, NCx } \\ & \text { COMx } \end{aligned}$ | RON Flatness | $\begin{aligned} & \mathrm{ION}_{\mathrm{ON}}=-100 \mathrm{~mA} \\ & \mathrm{~V}_{\mathrm{IS}}=0 \text { to } \mathrm{V}_{\mathrm{CC}} \end{aligned}$ | $\begin{aligned} & 3.0 \\ & 4.3 \end{aligned}$ |  | $\begin{aligned} & 0.8 \\ & 1.1 \end{aligned}$ |  | $\Omega$ |
| $\Delta \mathrm{R}_{\text {ON }}$ | $\begin{aligned} & \text { NOx, NCx } \\ & \text { COMx } \end{aligned}$ | RON Matching | $\begin{aligned} & \mathrm{ION}_{\mathrm{ON}}=-100 \mathrm{~mA} \\ & \mathrm{~V}_{\mathrm{IS}}=0 \text { to } \mathrm{V}_{\mathrm{CC}} \end{aligned}$ | $\begin{aligned} & 3.0 \\ & 4.3 \end{aligned}$ |  | $\begin{aligned} & 0.8 \\ & 0.7 \end{aligned}$ |  | $\Omega$ |

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## AC ELECTRICAL CHARACTERISTICS

TIMING/FREQUENCY (Typical: $\mathrm{T}=25^{\circ} \mathrm{C} ; \mathrm{V}_{\mathrm{CC}}=3.0 \mathrm{~V}, \mathrm{R}_{\mathrm{L}}=50 \Omega, \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF}, \mathrm{f}=1 \mathrm{MHz}$ )

| Symbol | Pins | Parameter | Test Conditions | $\begin{aligned} & V_{c c} \\ & \text { (V) } \end{aligned}$ | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |  |  | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Min | Typ | Max |  |
| $\mathrm{t}_{\mathrm{ON}}$ | $\begin{gathered} \text { IN to } \\ \text { NCx or NOx } \end{gathered}$ | Turn On Time |  | 2.3-4.3 |  | 30 | 40 | ns |
| $\mathrm{t}_{\text {OFF }}$ | $\begin{gathered} \text { IN to } \\ \text { NCx or NOx } \end{gathered}$ | Turn Off Time |  | 2.3-4.53 |  | 20 | 30 | ns |
| $\mathrm{t}_{\text {BBM }}$ | $\begin{gathered} \text { IN to } \\ \text { NCx or NOx } \end{gathered}$ | Break Before Make |  | 3.0 | 2 | 15 |  | ns |
| BW |  | -3dB Bandwidth | $\mathrm{C}_{\mathrm{L}}=5 \mathrm{pF}$ | 1.65-4.3 |  | 280 |  | MHz |

ISOLATION AND THD (Typical: $\mathrm{T}=25^{\circ} \mathrm{C} ; \mathrm{V}_{\mathrm{CC}}=3.0 \mathrm{~V}, \mathrm{RL}=50 \Omega, \mathrm{CL}=5 \mathrm{pF}, \mathrm{f}=1 \mathrm{MHz}$ )

| Symbol | Pins | Parameter | Test Conditions | $\begin{aligned} & \mathrm{V}_{\mathrm{cc}} \\ & \text { (V) } \end{aligned}$ | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |  |  | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Min | Typ | Max |  |
| Q |  | Charge Injection | $\begin{aligned} & \mathrm{V}_{I N}=\mathrm{V}_{\mathrm{CC}} \text { to } \mathrm{GND} \\ & \mathrm{R}_{\text {IS }}=0 \Omega, \mathrm{C}_{\mathrm{L}}=1.0 \mathrm{nF} \\ & \mathrm{Q}=\mathrm{C}_{\mathrm{L}}-\Delta \mathrm{V}_{\text {OUT }} \end{aligned}$ | 1.65-4.3 |  | 111 |  | pC |
| THD |  | Total Harmonic Distortion | $\begin{aligned} & \mathrm{F}_{\mathrm{IS}}=20 \mathrm{~Hz} \text { to } 20 \mathrm{kHz} \\ & \mathrm{R}_{\mathrm{L}}=\mathrm{R}_{\mathrm{gen}}=600 \Omega, \\ & \mathrm{C}_{\mathrm{L}}=1.0 \mathrm{pF} \\ & \mathrm{~V}_{\mathrm{IS}}=1.0 \mathrm{~V} \end{aligned}$ | 3.0 |  | 0.007 |  | \% |
| $\mathrm{V}_{\text {ONL }}$ |  | Maximum Feedthrough On Loss | $\mathrm{V}_{\mathrm{IN}}=0 \mathrm{dBm}$ @ 100 kHz to 50 MHz <br> $\mathrm{V}_{\text {IN }}$ centered between $\mathrm{V}_{\mathrm{CC}}$ \& $G N D$ | 1.65-4.3 |  | -0.06 |  | dB |
| OIRR | NOx | Off Isolation | $\begin{aligned} & \mathrm{V}_{\mathrm{IN}}=0 \\ & \mathrm{~V}_{\mathrm{NO}} \text { or } \mathrm{V}_{\mathrm{NC}}(\mathrm{pk}-\mathrm{pk})=1.0 \mathrm{~V} \end{aligned}$ | 1.65-4.3 |  | -67 |  | dB |
| Xtalk | COMx to COMy | Non-Adjacent Channel | $\mathrm{V}_{\mathrm{NO}}$ or $\mathrm{V}_{\mathrm{NC}}(\mathrm{pk}-\mathrm{pk})=1.0 \mathrm{~V}$ | 1.65-4.3 |  | -100 |  | dB |

CAPACITANCE (Typical: $\mathrm{T}=25^{\circ} \mathrm{C} ; \mathrm{V}_{\mathrm{CC}}=3.0 \mathrm{~V}, \mathrm{R}_{\mathrm{L}}=50 \Omega, \mathrm{C}_{\mathrm{L}}=5 \mathrm{pF}, \mathrm{f}=1 \mathrm{MHz}$ )

| Symbol | Pins | Parameter | Test Conditions | $\begin{aligned} & \mathrm{V}_{\mathrm{cc}} \\ & \text { (V) } \end{aligned}$ | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |  |  | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Min | Typ | Max |  |
| $\mathrm{C}_{\mathrm{IN}}$ | $\begin{gathered} \mathrm{A}-\mathrm{B} \operatorname{IN}, \mathrm{C}-\mathrm{D} \\ \mathrm{IN} \end{gathered}$ | Control Input |  | 0 V |  | 5.0 |  | pF |
| Con | NCx to COMx | Through Switch | $\mathrm{V}_{\mathrm{IN}}=0 \mathrm{~V}$ | 3.0 V |  | 20 |  | pF |
| $\mathrm{C}_{\text {OFF }}$ | $\begin{aligned} & \hline \mathrm{NCx} \\ & \mathrm{NOX} \end{aligned}$ | Unselected Port | $\mathrm{V}_{\text {IS }}=3.0 \mathrm{~V}, \mathrm{~V}_{\text {IN }}=3.0 \mathrm{~V}$ | 3.0 V |  | 10 |  | pF |

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Figure 2. $\mathrm{I}_{\mathrm{cc}}$ vs. $\mathrm{V}_{\text {in }}$


Figure 3. (Expanded View) Icc vs. $\mathrm{V}_{\text {in }}$


Figure 4. $\mathrm{t}_{\text {BBM }}$ (Time Break-Before-Make)


Figure 5. ton/toff
Input
 $\checkmark$


Figure 6. $\mathrm{t}_{\mathrm{ON}} / \mathrm{t}_{\mathrm{OFF}}$


Channel switch control/s test socket is normalized. Off isolation is measured across an off channel. On loss is the bandwidth of an On switch. $\mathrm{V}_{\text {ISO }}$, Bandwidth and $\mathrm{V}_{\text {ONL }}$ are independent of the input signal direction.
$\mathrm{V}_{\text {ISO }}=$ Off Channel Isolation $=20 \mathrm{Log}\left(\frac{\mathrm{VOUT}}{\mathrm{V}_{\text {IN }}}\right)$ for $\mathrm{V}_{\text {IN }}$ at 100 kHz
$\mathrm{V}_{\mathrm{ONL}}=$ On Channel Loss $=20 \log \left(\frac{\mathrm{~V}_{\mathrm{OUT}}}{\mathrm{V}_{\mathrm{IN}}}\right) \quad$ for $\mathrm{V}_{\mathrm{IN}}$ at 100 kHz to 50 MHz
Bandwidth $(\mathrm{BW})=$ the frequency 3 dB below $\mathrm{V}_{\mathrm{ONL}}$
$\mathrm{V}_{\mathrm{CT}}=$ Use $\mathrm{V}_{\text {ISO }}$ setup and test to all other switch analog input/outputs terminated with $50 \Omega$

Figure 7. Off Channel Isolation/On Channel Loss (BW)/Crosstalk (On Channel to Off Channel)/V ${ }_{\text {ONL }}$


Output


Figure 8. Charge Injection: (Q)

NLAS3899B

DEVICE ORDERING INFORMATION

| Device Order Number | Package Type | Tape \& Reel Size $^{\dagger}$ |
| :--- | :---: | :---: |
| NLAS3899BMNTBG | WQFN16 <br> (Pb-Free) | $3000 /$ Tape \& Reel |
| NLAS3899BMNTWG | QFN16 <br> (Pb-Free) | $3000 /$ Tape \& Reel |
| NLAS3899BMNTXG | QFN16 <br> (Pb-Free) | $3000 /$ Tape \& Reel |

$\dagger$ For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.

QFN16 3x3, 0.5P
CASE 485AE
ISSUE C
DATE 24 JUN 2016


1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994
2. CONTROLLING DIMENSION: MILLIMETERS,
3. DIMENSION b APPLIES TO PLATED

TERMINAL AND IS MEASURED BETWEEN 0.25 AND 0.30 MM FROM TERMINAL.
4. COPLANARITY APPLIES TO THE EXPOSED COPLANARITY APPLIES TO TIE EX
5. PAD AS WELL AS THE TERMINALS. MO-220, VARIATION VEED-6.

|  | MILLIMETERS |  |
| :---: | :---: | :---: |
| DIM | MIN | MAX |
| A | 0.80 | 1.00 |
| A1 | 0.00 | 0.05 |
| A3 | 0.20 |  |
| bEF |  |  |
| b | 0.18 | 0.30 |
| D | 3.00 | $0.3 S C$ |
| D2 | 1.25 | 1.55 |
| E | 3.00 |  |
| BSC |  |  |
| E2 | 1.25 | 1.55 |
| e | 0.50 | 1.5 |
| K | 0.20 | --- |
| L | 0.30 | 0.50 |
| L1 | 0.00 | 0.15 |

GENERIC
MARKING DIAGRAM*

| ${ }^{\circ}$ XXXXX |
| :---: |
| XXXXX |
| ALYW• |
| $\cdot$ |

A = Assembly Location
L = Wafer Lot
$Y=$ Year
W = Work Week

- = Pb-Free Package
(Note: Microdot may be in either location)
*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot " $\quad$ ", may or may not be present.

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| ---: | :--- | :--- | :--- |
| DESCRIPTION: | QFN16 3X3, 0.5P | PAGE 1 OF 1 |

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WQFN16, $1.8 \times 2.6,0.4 P$
CASE 488AP-01
ISSUE B
DATE 25 JUN 2008


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| ---: | :--- | :--- | :--- |
| DESCRIPTION: | WQFN16, 1.8 X 2.6,0.4P | PAGE 1 OF 1 |

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## PUBLICATION ORDERING INFORMATION

LITERATURE FULFILLMENT:
Email Requests to: orderlit@onsemi.com
onsemi Website: www.onsemi.com

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components
Click to view similar products for Analogue Switch ICs category:
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Other Similar products are found below :
FSA3051TMX NLAS4684FCTCG NLAS5223BLMNR2G NLX2G66DMUTCG 425541DB 425528R 099044FB NLAS5123MNR2G PI5A4157CEX NLAS4717EPFCT1G PI5A3167CCEX SLAS3158MNR2G PI5A392AQE PI5A4157ZUEX PI5A3166TAEX FSA634UCX XS3A1T3157GMX TC4066BP(N,F) DG302BDJ-E3 PI5A100QEX HV2605FG-G HV2301FG-G RS2117YUTQK10 RS2118YUTQK10 RS2227XUTQK10 ADG452BRZ-REEL7 MAX4066ESD+ MAX391CPE+ MAX4730EXT+T MAX314CPE+ BU4066BCFV-E2 MAX313CPE+ BU4S66G2-TR NLASB3157MTR2G TS3A4751PWR NLAST4599DFT2G NLAST4599DTT1G DG300BDJ-E3 DG2503DB-T2-GE1 TC4W53FU(TE12L,F) 74HC2G66DC. 125 DG3257DN-T1-GE4 ADG619BRMZ-REEL ADG1611BRUZ-REEL7 DG2535EDQ-T1-GE3 LTC201ACN\#PBF 74LV4066DB,118 ISL43410IUZ FSA2275AUMX DIO1500WL12

