

### Features

- Wide Power Supply Range: 1.6V to 4.2V
- Low On-Resistance:  $0.4 \Omega$  ( $V_{DD}=2.7V$ )
- Low On-Resistance Flatness
- -3dB BandWidth: 42 MHz
- Fast Switching Speed( $V_{DD}=3.3V$ ):  
 $t_{ON}$ : 20ns  
 $t_{OFF}$ : 10ns
- $I_{DD} = 300nA$  @  $T_A = +25^\circ C$
- High Off Isolation: -65dB
- Crosstalk Rejection: -65dB
- Lead(Pb) Free TQFN-16  
 Package(3mmx3mm)

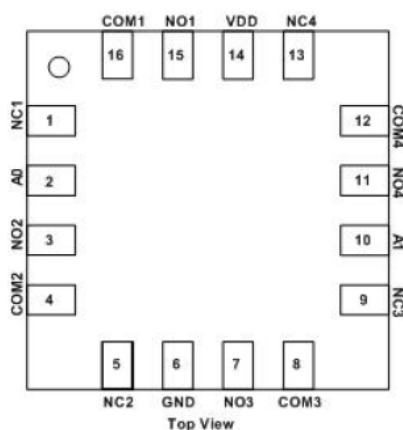
### Description

The AS4688 is a quad single-pole double-throw (SPDT) CMOS switch featuring an On-Resistance of 0.4 ohm at  $V_{DD}=2.7V$  and wide power supply range from 1.6V to 4.2V. It can be used as an analog switch or low-delay bus switch.

### Applications

- Wireless Handsets
- Portable electronic devices
- PDAs
- Audio & Video Switching
- PCMCIA Cards
- Computer Peripherals
- Modems

### Pin Configuration



### Pin Description

| Pin Name | Type         | Description          |
|----------|--------------|----------------------|
| VDD      | PWR          | Power Supply         |
| GND      | Ground       | Ground               |
| COMx     | Input/Output | Data Port            |
| NCx      | Input/Output | Data Port            |
| NOx      | Input/Output | Data Port            |
| Ay       | Input        | Logic Control Signal |

### Order Information:

| Order Number   | Package       | Remark  |
|----------------|---------------|---------|
| AS4688TQ/TR-LF | TQFN-16 3x3mm | Pb-Free |