

### BCT4567

## Low-Power, Dual SIM Card Analog Switch

#### GENERAL DESCRIPTION

The BCT4567 is a quad-SPDT switch with one common control inputs targeted at dual SIM card multiplexing. It is optimized for switching the WLAN-SIM data and control signals and dedicates one channel as a supply-source switch.

The switches are fully bi-directional, allowing both multiplexing and de-multiplexing operation. Break-before-make operation is guaranteed.

The device operates from a +1.65V to +4.5V supply and over the extended -40°C to +85°C temperature range. It is offered in 16-pin 3mm x 3mm TQFN package or 16-pin 1.8mm x 2.6mm UTQFN package.

#### APPLICATIONS

- Dual SIM Card Switch
- Cell Phones
- Pad
- Digital Cameras
- PDAs
- Notebook

#### FEATURES

- Low 0.5Ω Ron @VCC=2.7V
- 0.06Ω On-Resistance Flatness
- Excellent 0.05Ω On-Resistance Matching
- Wide VCC Operating Range: 1.65 V to 4.5 V
- Rail-to-Rail Signal Switching Range
- Fast Switching Speed: 20nsTYP at 3.3V
- High Off Isolation: -66dB
- Crosstalk Rejection: -86dB
- -3dB bandwidth: 100MHz
- Space-Saving, TQFN 3x3-16L or UTQFN 1.8x2.6-16L Package

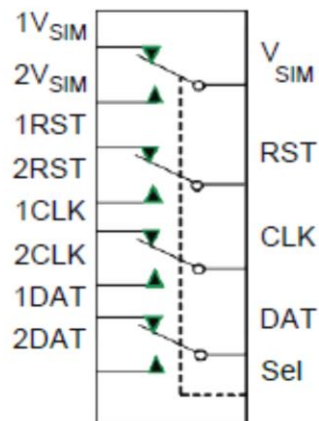


Figure 1. Analog Symbol

#### ORDERING INFORMATION

Ordering Code	Package Description	Temp Range	Top Marking	QTY/Reel
BCT4567EGE-TR	TQFN3x3-16L	-40°C to +85°C	4567	3000
BCT4567EFE-TR	UTQFN1.8x2.6-16L	-40°C to +85°C	4567	3000

REV1.5

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