

## Datasheet / Specification Change Notification

Device:	VS1011E, all package options (VS1011E-S, VS1011E-L)
Change Type:	Permanent
Effective from:	24 February 2014
Affected Document:	VS1011E Datasheet, “vs1011.pdf”

### NOT Affected Designs:

Digital Power supply DVDD  $\geq$  2.8V (2.8V – 3.6V): NO CHANGE

Clock doubler not used: NO CHANGE

Any design with external clock XTAL  $\geq$  24.00 MHz: NO CHANGE

### Affected Designs:

Any design using VS1011E internal Clock Doubler with DVDD < 2.8 V.

Typical Case: Crystal frequency 12.228MHz and DVDD=2.5V.

### Reason for the change:

Test coverage issue in VS1011E was found in February 2014. The new test program to find affected devices requires new Digital Power Supply Specifications.

### Description of the change:

Page 7 of VS1011E datasheet, table 4.2, “Recommended Operating Conditions” has now two lines for Positive Digital voltage depending on whether the clock doubler is used or not. Affected part of the table with the new line:

Parameter	Symbol	Min	Typ	Max	Unit
Positive Digital, using clock doubler	DVDD	2.75	3.0	3.6	V
Positive Digital, no clock doubler	DVDD	2.3	2.5	3.6	V

### New Datasheet

New datasheet will be available for download from 25th of February via link:

<http://www.vlsi.fi/fileadmin/datasheets/vlsi/vs1011.pdf>

### Contact Information

Questions about this change can be emailed to [sales@vlsi.fi](mailto:sales@vlsi.fi) or [support@vlsi.fi](mailto:support@vlsi.fi) .