

## Did you know #2?

NEW SAFEGUARD PARAMETER FILES

May 9, 2019  
Cleveland, OH



# BTUG 2019

# Safeguard

## PARAMETERS FOR LOW VOLTAGE DEVICES

New Safeguard Parameters for Low voltage CMOS devices included in  
C:\Agilent ICT\standard\safeguard

- **standard\_lvc\_1v6**
- **standard\_lvc\_1v8**
- **standard\_alvc\_1v8**
- **standard\_lv\_3v3**
- **standard\_avc\_1v2**

```
!!!!      8      0      1 1468993969 vbb7a
parameters "standard_avc_1v2"
! Date Created      : April 25 2016
!
! subfamily        : Advanced Very-Low-Voltage CMOS
! supply voltage   : 1.2V to 3.3V range
! characteristics  : low level output current <= 100 mA
!
! backdrive current of 0.182 for "0" , 0.232 for "1"
! calculated based on 1.2V
! overdrive power 0.278 , 0.108 dissipated by heat source
! heat source 50 by 10 , 1 per output
! operating temperature 40
! thermal resistance 60
! package plastic
end parameters
```

# What's Next





**KEYSIGHT**  
TECHNOLOGIES

4.50221