



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Qualification Report for PCN# 20110627000
Change LVT16244/5 dies
Information Only**

Date: 11/14/2011

Dear Customer:

Texas Instruments is pleased to announce the completion of qualification testing for the product change described in PCN# 20110627000. The details of the qualification results are included in the following pages and are being forwarded to you in response to your inquiry about this PCN.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services
Phone: +1(214) 480-6037
Fax: +1(214) 480-6659



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Qualification Report For # 20110627000
Change LVT16244/5 dies

Qualification Data:

This qualification has been specifically developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qual Vehicle 1: SN74LVT16244BDGG		
Die Construction Details		
Wafer Fab Site:	FFAB	Metallization: Ti/TiN/AlCu0.5%/TiN
Wafer Fab Process:	50BC10.13 / P8455	Passivation: 16KACN
Wafer Diameter:	200mm	Die Rev: D
Qualification: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> Test Results		
Reliability Test	Conditions	Sample Size Lot # 1/Fails
Electrical Characterization	Full Temp & Voltage range	Pass
ESD HBM	2000V	3/0
ESD CDM	500V	3/0
Latch-up	(per JESD78)	6/0
Manufacturability - TQ	(per mfg. Site specification)	Pass
X-ray	(top side only)	5/0
Qual Vehicle 2: SN74LVT16245BDGG		
Die Construction Details		
Wafer Fab Site:	FFAB	Metallization: Ti/TiN/AlCu0.5%/TiN
Wafer Fab Process:	50BC10.13 / P8455	Passivation: 16KACN
Wafer Diameter:	200mm	Die Rev: G
Qualification: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> Test Results		
Reliability Test	Conditions	Sample Size Lot # 1/Fails
Electrical Characterization	Full Temp & Voltage range	Pass
ESD HBM	2000V	3/0
ESD CDM	500V	3/0
Latch-up	(per JESD78)	6/0
Manufacturability - TQ	(per mfg. Site specification)	Pass
X-ray	(top side only)	5/0

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com