

ON Semiconductor
Formerly a Division of Motorola



Subject: ON Semiconductor PRODUCT/PROCESS CHANGE NOTIFICATION 10001

TITLE: NEW MASK SET FOR LM317T/D2T FROM TESLA

EFFECTIVE DATE: 05-DEC-99

AFFECTED CHANGE CATEGORIES

Subcontractor Fab Site

Wafer Process

Design Change

AFFECTED PRODUCT DIVISIONS

GENERAL PURPOSE PRO

ADDITIONAL RELIABILITY DATA: Available
Contact your local ON Semiconductor Sales Office.

Ref: RJJ930

SAMPLES: Contact Below

Ref: R22878@email.sps.mot.com

Contact your local ON Semiconductor Sales Office.

For any questions concerning this notification:

REFERENCE: THOMAS GRINTER

PHONE: 480-413-7640

DISCLAIMER:

ON SEMICONDUCTOR WILL CONSIDER THIS CHANGE APPROVED UNLESS SPECIFIC
CONDITIONS OF ACCEPTANCE ARE PROVIDED IN WRITING WITHIN 30 DAYS OF
RECEIPT OF THIS NOTICE. TO DO SO, CONTACT YOUR LOCAL ON
SEMICONDUCTOR SALES OFFICE.

GPCN FORMAT: CUSTOMER

DO NOT REPLY TO THIS MESSAGE.

Semiconductor Technology Grp

PRODUCT/PROCESS CHANGE NOTIFICATION

ISSUE DATE: 28-Aug-1999

NOTIFICATION #:10001

EFFECTIVE DATE: 05-Dec-1999

ISSUING DIVISION:PHX-GPPD

DESCRIPTION AND PURPOSE

Tesla is an ON SEMICONDUCTOR (formerly a division of MOTOROLA) qualified fab in the Czech Republic and has been producing bipolar products in EPI80 and EPI44 technologies since 1995. ON Semiconductor has qualified mask set J54K for the LM317T/D2T in EPI44 at Tesla to meet an increase in wafer capacity demand. The device specification will not change.

QUALIFICATION PLAN

See Reliability Data

RELIABILITY DATA SUMMARY

TEST	TIME	CONDITIONS	SAMPLE SIZE
------	------	------------	-------------

OP-LIFE	504 hrs	145DegC	76 units per Lot / 3 Lots
RESULT: All 3 lots have successfully completed 504 hours (0 reject)			

TC	500 cyc	-65DegC to 150DegC	76 units per Lot / 3 Lots
RESULT: All 3 lots have successfully completed 500 cycles(0 reject)			

ESD (HUMAN BODY MODEL) has successfully passed plus or minus 4000V

ESD (MACHINE MODEL) has successfully passed plus or minus 400V

ELECTRICAL CHARACTERISTIC SUMMARY

Specific device characterization data available upon request. There is no 'Device Specific' change.

CHANGED PART IDENTIFICATION

LM317T/D2T devices with a date code of 9942 may be manufactured in EPI44 at Tesla.

FILE FORMAT: ASCII TEXT

FONT - Courier

SIZE - 12 Point

LINE - 70 characters/line

PAGE - 55 lines/page

PAGEBREAK CHARACTER - ^L (Control L)

AFFECTED DEVICE LIST (WITHOUT SPECIALS)

LM317BD2T	,	LM317BD2TR4	,	LM317BT	,	LM317BT4
LM317D2T	,	LM317D2TR4	,	LM317T	,	LM317T2
LM317T4						