

**ON Semiconductor**



Subject: ON Semiconductor PRODUCT/PROCESS CHANGE NOTIFICATION 10121

TITLE: GDL TO-3 ASSEMBLY AND FINAL TEST TRANSFER TO USI

EFFECTIVE DATE: 04-MAY-00

AFFECTED CHANGE CATEGORIES

On Semi Assembly Site

ON Semi Test Site

AFFECTED PRODUCT DIVISIONS

BIPOLAR DISCRETES DIV

ADDITIONAL RELIABILITY DATA: Available

Ref: R10303

Contact your local ON Semiconductor Sales Office.

SAMPLES: Contact Below

Ref: RVEG40@email.sps.mot.com

Contact your local ON Semiconductor Sales Office.

For any questions concerning this notification:

REFERENCE:JOSE RAMIREZ

PHONE: 602-244-4819

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.

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PRODUCT/PROCESS CHANGE NOTIFICATION

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ISSUE DATE: 25-Jan-2000

NOTIFICATION #:10121

EFFECTIVE DATE: 04-May-2000

ISSUING DIVISION:PHX-PPD

DESCRIPTION AND PURPOSE

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 ON Semiconductor (formerly a division of Motorola) wishes to notify its Customers that the assembly and electrical testing of all TO-3 metal packaged Bipolar Power Products and currently performed at the ON Semiconductor plant in Guadalajara, Mexico, will be transferred to USI in the same city of Guadalajara. USI is a current and highly qualified assembly sub-contractor of ON Semiconductor products. ON Semiconductor continues to make substantial investments in both new technologies and improved manufacturing capabilities to provide you the highest quality and reliable semiconductors in the industry. We believe these actions will also improve our ability to serve you in the future.

QUALIFICATION PLAN

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TESTS	CONDITIONS	DURATION	CONTROL	LOT1	Rej/Size		
					LOT2	LOT3	
HTSL	Temp.=150 degC	1000 hr	0/50	0/50	0/50	0/50	
HTRB	Temp.=150 degC	1000 hr	0/50	0/50	0/50	0/50	
IOL	Delta Tj=100 degC 1 cycle = 6 min	5K cyc	0/36	0/36	0/36	0/36	
TC	15 min dwell, -65 to 150 degC	1000 cyc	0/50	0/50	0/50	0/50	

RELIABILITY DATA SUMMARY

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 Reliability Test and Results:

Performed on Device: MJ11028  
 Product Line: PL1882

TESTS	CONDITIONS	DURATION	Control	Rej/Size		
				LOT1	LOT2	LOT3
HTSL	Temp = 150	500 HR	0/50	0/50	0/50	0/50
HTRB	Temp = 150 VR = 60 V	500 HR	0/50	0/50	0/50	0/50
IOL	Delta Tj=100DegC 1 cyc = 6 min	5K Cy	0/36	0/36	0/36	0/36
TC	15 Min dwell -65 to 150DegC	500 Cy	0/50	0/50	0/50	0/50

Performed on Device: MJ21194  
 Product Line: PL1194

TESTS	CONDITIONS	DURATION	Control	Rej/Size		
				LOT1	LOT2	LOT3
HTSL	Temp = 150	120 HR	0/50	0/50	0/50	0/50

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ISSUE DATE: 25-Jan-2000

NOTIFICATION #:10121

EFFECTIVE DATE: 04-May-2000

ISSUING DIVISION:PHX-PPD

HTRB Temp = 150 120 HR 0/50 0/50 0/50 0/50  
VR = 200 V

IOL Delta Tj=100DegC 1000 Cy 0/36 0/36 0/36 0/36  
1 cyc = 6 min

TC 15 Min dwell 100 Cy 0/50 0/50 0/50 0/50

Full, complete Reliability Data will be available by the end of February, 2000.

ELECTRICAL CHARACTERISTIC SUMMARY

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Electrical Characterization Data is available upon request.

CHANGED PART IDENTIFICATION

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Product marked with Date Code 0018 or later will be coming from USI.

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)

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2N3055	, 2N3055A	, 2N3055H	, 2N3442
2N3771	, 2N3772	, 2N3773	, 2N5038
2N5302	, 2N5631	, 2N5684	, 2N5686
2N5882	, 2N5883	, 2N5884	, 2N5885
2N5886	, 2N6031	, 2N6052	, 2N6056
2N6058	, 2N6059	, 2N6274	, 2N6277
2N6282	, 2N6284	, 2N6286	, 2N6287
2N6338	, 2N6341	, 2N6438	, 2N6547
2N6609	, BDX67B	, BU208A	, BUS50
BUS98	, BUS98A	, BUT33	, BUV11
BUV18A	, BUV20	, BUV21	, BUV22
BUV60	, BUX48	, BUX48A	, BUX98
BUX98A	, MJ10005	, MJ10007	, MJ10009
MJ10012	, MJ10015	, MJ10016	, MJ10020
MJ10021	, MJ10023	, MJ11012	, MJ11015
MJ11016	, MJ11021	, MJ11022	, MJ11028
MJ11029	, MJ11030	, MJ11032	, MJ11033
MJ13333	, MJ14001	, MJ14002	, MJ14003
MJ15001	, MJ15002	, MJ15003	, MJ15004
MJ15011	, MJ15012	, MJ15015	, MJ15016
MJ15020	, MJ15021	, MJ15022	, MJ15023
MJ15024	, MJ15025	, MJ16010	, MJ16012
MJ16018	, MJ16020	, MJ16022	, MJ16110
MJ21193	, MJ21194	, MJ21195	, MJ21196
MJ2501	, MJ2955	, MJ3001	, MJ423
MJ4502	, MJ802		

