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**UPDATE NOTIFICATION**  
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**11-AUG-2001**

**SUBJECT: ON Semiconductor Update Notification #11682**

**TITLE: Modify PCN 10344**

**EFFECTIVE DATE: 10-Oct-2001**

**AFFECTED CHANGE CATEGORY: Subcontractor Assembly/Test Site**

**AFFECTED PRODUCT DIVISION(S): Mos Power Products Div**

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or Terry Frank <RDMM60@onsemi.com>

**SAMPLES:** Contact Below

Contact your local ON Semiconductor Sales Office or Karen Wright <RD9130@onsemi.com>

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact Sales Office or Jarvis Carter <RYFV70@onsemi.com>

**DISCLAIMER:**

Initial Product/Process Change Notification (PCN) -First Notification distributed to customers.  
Distributed at least 120 days from the effective date of the change.

Final Product/Process Change Notification (FPCN) -Final Notification completing the notification process. Distributed at least 60 days from the effective date of the change. 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.

**DESCRIPTION AND PURPOSE:**

On Nov. 2, 2000, we issued PCN 10344 notifying customers of our plan expand capacity for D2 PAK and T0220 assembly and test of Power MOS devices by adding Pacific Semiconductor Inc. (PSI) as an approved site for certain specified products of our portfolio. This change is to add the remaining T0220 Power MOS portfolio products to the list of products that will be assembled and tested in PSI.

**QUALIFICATION PLAN:**

See Rel Data.



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**RELIABILITY DATA SUMMARY:**

This Rel Data Summary is from PCN#10344

Interim reliability data for MTB1306 is included as part of the PCN.

Extended readpoint data will be completed prior to expiration of the PCN.

<u>LOT</u>	<u>TEST</u>	<u>READPOINT</u>	<u>REJ</u>	<u>SS</u>	<u>COMMENTS</u>
0708A	HIGH TEMP GATE BIAS	504HR	0	79	1008HR 10/31
0708A	HIGH TEMP REVERSE BIAS	504HR	0	80	1008HR 10/31
0708A	H3TRB (85/85/BIASED)	168HR	0	80	504HR 10/31
0708A	INTERMITTENT OP LIFE	4286	NA	80	OFF 10/31
0708A	TEMPERATURE CYCLING	500	0	40	1000CYC 10/31
0708A	AUTOCLAVE	96HR	0	40	COMPLETE

PRE-CONDITIONED H3TRB, IOL, AUTOCLAVE, AND TEMPERATURE CYCLING TESTS ARE CURRENTLY IN PROGRESS.

<u>LOT</u>	<u>TEST</u>	<u>READPOINT</u>	<u>REJ</u>	<u>SS</u>	<u>COMMENTS</u>
0708B	HIGH TEMP GATE BIAS	504HR	0	79	1008HR 10/31
0708B	HIGH TEMP REVERSE BIAS	504HR	0	80	1008HR 10/31
0708B	H3TRB (85/85/BIASED)	168HR	0	80	504HR 10/31
0708B	INTERMITTENT OP LIFE	4286	NA	80	OFF 10/31
0708B	TEMPERATURE CYCLING	500	0	40	1000CYC 10/31
0708B	AUTOCLAVE	96HR	0	40	COMPLETE

PRE-CONDITIONED H3TRB, IOL, AUTOCLAVE, AND TEMPERATURE CYCLING TESTS ARE CURRENTLY IN PROGRESS.

<u>LOT</u>	<u>TEST</u>	<u>READPOINT</u>	<u>REJ</u>	<u>SS</u>	<u>COMMENTS</u>
0708C	HIGH TEMP GATE BIAS	504HR	0	80	1008HR 10/31
0708C	HIGH TEMP REVERSE BIAS	504HR	0	80	1008HR 10/31
0708C	H3TRB (85/85/BIASED)	168HR	0	80	504HR 10/31
0708C	INTERMITTENT OP LIFE	4286	NA	80	OFF 10/31
0708C	TEMPERATURE CYCLING	500	0	40	1000CYC 10/31
0708C	AUTOCLAVE	96HR	0	40	COMPLETE

PRE-CONDITIONED H3TRB, IOL, AUTOCLAVE, AND TEMPERATURE CYCLING TESTS ARE CURRENTLY IN PROGRESS



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**CONTROL LOT**

<b>LOT</b>	<b>TEST</b>	<b>READPOINT</b>	<b>REJ</b>	<b>SS</b>	<b>COMMENTS</b>
0708D	HIGH TEMP GATE BIAS	504HR	0	79	1008HR 10/31
0708D	HIGH TMEP REVERSE BIAS	504HR	0	80	1008HR 10/31
0708D	H3TRB (85/85/BIASED)	168HR	0	80	504HR 10/31
0708D	INTERMITTENT OP LIFE	4286	NA	80	DUE 10/31
0708D	TEMPERATURE CYCLING	500	0	40	1000CYC 10/31
0708D	AUTOCLAVE	96HR	0	40	COMPLETE

PRE-CONDITIONED H3TRB, IOL, AUTOCLAVE, AND TEMPERATURE CYCLING TESTS  
ARE CURRENTLY IN PROGRESS

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Electrical Characterization data will be made available upon request.

**CHANGED PART IDENTIFICATION:**

Parts assembled and tested at PSI will be marked with site code CQ preceeding the date code.

**AFFECTED DEVICE LIST (WITHOUT SPECIALS)**

**PART**

MGP15N35CL  
 MGP15N40CL  
 MGP19N35CL  
 MGP20N35CL  
 MGP20N36CL  
 MGP20N40CL  
 MTP10N60E7  
 MTP1304Z  
 MTP1306  
 MTP2P50E  
 MTP50P03HDL  
 MTP60N06HD  
 MTP75N03HDL  
 MTP75N05HD  
 MTP75N06HD  
 NTP10N40  
 NTP10N60  
 NTP12N50  
 NTP13N10  
 NTP15N40  
 NTP18N06  
 NTP18N06L  
 NTP22N06  
 NTP22N06L  
 NTP27N06  
 NTP27N06L  
 NTP30N06  
 NTP30N06L



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NTP35N15  
NTP45N06  
NTP45N06L  
NTP52N10  
NTP60N06  
NTP60N06L  
NTP6N50  
NTP75N03-006  
NTP75N03L09  
NTP75N06  
NTP75N06L  
NTP7N40  
NTP8N50  
STP15N06V  
STP3055VL  
STP36N06V