



CANCELLED

INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

20-JUL-2004

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #13544

TITLE: Qualification of ON Semiconductor Seremban Wafer Fab as Secondary Source for Zener Products.

EFFECTIVE DATE: 20-Nov-2004

AFFECTED CHANGE CATEGORY:

ON Semiconductor Fab Site
Wafer Process

AFFECTED PRODUCT DIVISION: Discretes Products

ADDITIONAL RELIABILITY DATA: None

SAMPLES: No

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Office or Paul Lem <FFBFBM@onsemi.com >

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCN) –

First change notification sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 60 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

ON Semiconductor is announcing the qualification of Seremban Wafer FAB as a secondary source for Zener technology. This added capacity will allow ON Semiconductor to better service our customers. ON Semiconductor Seremban Wafer FAB is an internal factory that is ISO-TS16949, ISO-9001 and ISO-14000 certified.

Quality and performance will be equal to current products.
Electrical performance, datasheets and package dimensions will not change.



Initial Product/Process Change Notification #13544

QUALIFICATION PLAN:

Qualification Vehicle:

Three different qualification vehicles have been carefully selected to address all critical variables and interactions of wafer design features, process considerations, mechanical construction and electrical characteristics

SMC: 1.5SMC91AT3

SMA: 1SMA5940BT3

SOT-23: MMBZ5270BLT1

Test:	Conditions:	Interval:	Sample Size: (Units x Lots)
HTRB	TA=150C, 80% Rated Voltage	1008 hrs	80 x 4
Precondition	MSL1, IR at 235C/260C,	96 hrs	320 x 4
Autoclave	T=121C/100% RH/15 psig	96 hrs	80 x 4
H3TRB-PC	T=85C/85% RH/80% Rated Voltage 100V Max	1008 hrs	80 x 4
IOL-PC	T=25C, Delta TJ = 100C, Ton/off = 2 min.	15000 cyc	80 x 4
TC-PC	T= -65C to 150C	1000 cyc	80 x 4
DPA	Per AECQ101, after TC and H3TRB		
RSH	Resistance to Solder Heat - 260C		10 x 3

AFFECTED DEVICE LIST (WITHOUT SPECIALS):

PART

- 1.5KE100ARL4
- 1.5KE10A
- 1.5KE10ARL4
- 1.5KE110ARL4
- 1.5KE11A
- 1.5KE11ARL4
- 1.5KE120ARL4
- 1.5KE12A
- 1.5KE12ARL4
- 1.5KE130A
- 1.5KE130ARL4
- 1.5KE13ARL4
- 1.5KE150A
- 1.5KE150ARL4
- 1.5KE15A
- 1.5KE15ARL4
- 1.5KE160ARL4
- 1.5KE16A
- 1.5KE16ARL4
- 1.5KE170ARL4
- 1.5KE180A
- 1.5KE180ARL4
- 1.5KE18A
- 1.5KE18ARL4
- 1.5KE200A
- 1.5KE200ARL4
- 1.5KE20A
- 1.5KE20ARL4
- 1.5KE220ARL4
- 1.5KE22A
- 1.5KE22ARL4



Initial Product/Process Change Notification #13544

- 1.5KE24A
- 1.5KE24ARL4
- 1.5KE250A
- 1.5KE250ARL4
- 1.5KE27A
- 1.5KE27ARL4
- 1.5KE30A
- 1.5KE30ARL4
- 1.5KE33A
- 1.5KE33ARL4
- 1.5KE36A
- 1.5KE36ARL4
- 1.5KE39ARL4
- 1.5KE43A
- 1.5KE43ARL4
- 1.5KE47A
- 1.5KE47ARL4
- 1.5KE51ARL4
- 1.5KE56A
- 1.5KE56ARL4
- 1.5KE6.8A
- 1.5KE6.8ARL4
- 1.5KE62A
- 1.5KE62ARL4
- 1.5KE68A
- 1.5KE68ARL4
- 1.5KE7.5A
- 1.5KE75A
- 1.5KE75ARL4
- 1.5KE8.2A
- 1.5KE8.2ARL4
- 1.5KE82A
- 1.5KE82ARL4
- 1.5KE9.1A
- 1.5KE9.1ARL4
- 1.5KE91ARL4
- 1.5SMC10AT3
- 1.5SMC11AT3
- 1.5SMC12AT3
- 1.5SMC12AT3G
- 1.5SMC13AT3
- 1.5SMC13AT3G
- 1.5SMC15AT3
- 1.5SMC15AT3G
- 1.5SMC16AT3
- 1.5SMC16AT3G
- 1.5SMC18AT3
- 1.5SMC18AT3G
- 1.5SMC20AT3
- 1.5SMC20AT3G
- 1.5SMC22AT3
- 1.5SMC22AT3G
- 1.5SMC24AT3
- 1.5SMC24AT3G
- 1.5SMC27AT3
- 1.5SMC27AT3G

Cancelled



Initial Product/Process Change Notification #13544

- 1.5SMC30AT3
- 1.5SMC30AT3G
- 1.5SMC33AT3
- 1.5SMC33AT3G
- 1.5SMC36AT3
- 1.5SMC36AT3G
- 1.5SMC39AT3
- 1.5SMC39AT3G
- 1.5SMC43AT3
- 1.5SMC43AT3G
- 1.5SMC47AT3
- 1.5SMC47AT3G
- 1.5SMC51AT3
- 1.5SMC51AT3G
- 1.5SMC56AT3
- 1.5SMC56AT3G
- 1.5SMC6.8AT3
- 1.5SMC6.8AT3G
- 1.5SMC62AT3
- 1.5SMC62AT3G
- 1.5SMC68AT3
- 1.5SMC7.5AT3
- 1.5SMC7.5AT3G
- 1.5SMC75AT3
- 1.5SMC75AT3G
- 1.5SMC8.2AT3
- 1.5SMC8.2AT3G
- 1.5SMC82AT3
- 1.5SMC9.1AT3
- 1.5SMC91AT3
- 1.5SMC91AT3G
- 1N5348B
- 1N5348BRL
- 1N5349B
- 1N5349BRL
- 1N5350B
- 1N5350BRL
- 1N5351B
- 1N5351BRL
- 1N5352B
- 1N5352BRL
- 1N5353B
- 1N5353BRL
- 1N5354B
- 1N5354BRL
- 1N5355B
- 1N5355BRL
- 1N5356B
- 1N5356BRL
- 1N5357B
- 1N5357BRL
- 1N5358B
- 1N5358BRL
- 1N5359B
- 1N5359BRL
- 1N5360B

Cancelled



Initial Product/Process Change Notification #13544

1N5360BRL
1N5361B
1N5361BRL
1N5362B
1N5362BRL
1N5363B
1N5363BRL
1N5364B
1N5364BRL
1N5365B
1N5365BRL
1N5366B
1N5366BRL
1N5367B
1N5367BRL
1N5368B
1N5368BRL
1N5369B
1N5369BRL
1N5370B
1N5370BRL
1N5371B
1N5371BRL
1N5372B
1N5372BRL
1N5373B
1N5373BRL
1N5374B
1N5374BRL
1N5375B
1N5375BRL
1N5376BRL
1N5377BRL
1N5378B
1N5378BRL
1N5379B
1N5380B
1N5380BRL
1N5381B
1N5381BRL
1N5382BRL
1N5383B
1N5383BRL
1N5384B
1N5384BRL
1N5385BRL
1N5386B
1N5386BRL
1N5387BRL
1N5388B
1N5388BRL
1N5908
1N5908RL4
1N5926B
1N5927B
1N5927BRL

Cancelled



Initial Product/Process Change Notification #13544

- 1N5929B
- 1N5929BRL
- 1N5930BRL
- 1N5931B
- 1N5931BRL
- 1N5932BRL
- 1N5933B
- 1N5934B
- 1N5934BRL
- 1N5935B
- 1N5936B
- 1N5936BRL
- 1N5937B
- 1N5937BRL
- 1N5938B
- 1N5938BRL
- 1N5940BRL
- 1N5941B
- 1N5941BRL
- 1N5942BRL
- 1N5943B
- 1N5943BRL
- 1N5944BRL
- 1N5946B
- 1N5946BRL
- 1N5947BRL
- 1N5948BRL
- 1N5950BRL
- 1N5951BRL
- 1N5952BRL
- 1N5953B
- 1N5953BRL
- 1N5954BRL
- 1N5955B
- 1N5955BRL
- 1N5956B
- 1N5956BRL
- 1N6267A
- 1N6267ARL4
- 1N6268ARL4
- 1N6269A
- 1N6270ARL4
- 1N6271A
- 1N6272A
- 1N6273ARL4
- 1N6274A
- 1N6274ARL4
- 1N6275A
- 1N6275ARL4
- 1N6276A
- 1N6276ARL4
- 1N6277A
- 1N6277ARL4
- 1N6278A
- 1N6278ARL4
- 1N6279A

Cancelled



Initial Product/Process Change Notification #13544

1N6280A
1N6280ARL4
1N6281A
1N6281ARL4
1N6282A
1N6282ARL4
1N6283A
1N6283ARL4
1N6284A
1N6284ARL4
1N6285A
1N6285ARL4
1N6286A
1N6286ARL4
1N6287A
1N6287ARL4
1N6288A
1N6288ARL4
1N6289ARL4
1N6290A
1N6290ARL4
1N6291A
1N6291ARL4
1N6292A
1N6292ARL4
1N6293ARL4
1N6294A
1N6294ARL4
1N6295A
1N6296A
1N6297A
1N6297ARL4
1N6298ARL4
1N6299A
1N6299ARL4
1N6300A
1N6301A
1N6302A
1N6303A
1N6303ARL4
1N6373
1N6373RL4
1N6374
1N6375
1N6376
1N6376RL4
1N6377
1N6377RL4
1N6379
1N6379RL4
1N6380
1N6380RL4
1N6381
1PMT12AT1
1PMT12AT1G
1PMT12AT3

Cancelled



Initial Product/Process Change Notification #13544

- 1PMT12AT3G
- 1PMT16AT1
- 1PMT16AT3
- 1PMT16AT3G
- 1PMT18AT1
- 1PMT18AT3
- 1PMT22AT1
- 1PMT22AT3
- 1PMT24AT1
- 1PMT24AT3
- 1PMT26AT1
- 1PMT26AT3
- 1PMT28AT1
- 1PMT28AT3
- 1PMT30AT1
- 1PMT30AT3
- 1PMT33AT1
- 1PMT33AT3
- 1PMT36AT1
- 1PMT36AT3
- 1PMT40AT1
- 1PMT40AT3
- 1PMT48AT1
- 1PMT48AT3
- 1PMT5.0AT1
- 1PMT5.0AT1G
- 1PMT5.0AT3
- 1PMT5.0AT3G
- 1PMT51AT1
- 1PMT51AT3
- 1PMT58AT1
- 1PMT58AT3
- 1PMT5920BT1
- 1PMT5920BT1G
- 1PMT5920BT3
- 1PMT5921BT1
- 1PMT5921BT3
- 1PMT5921BT3G
- 1PMT5922BT1
- 1PMT5922BT3
- 1PMT5923BT1
- 1PMT5923BT3
- 1PMT5924BT1
- 1PMT5924BT3
- 1PMT5925BT1
- 1PMT5925BT3
- 1PMT5927BT1
- 1PMT5927BT3
- 1PMT5929BT1
- 1PMT5929BT1G
- 1PMT5929BT3
- 1PMT5930BT1
- 1PMT5930BT3
- 1PMT5931BT1
- 1PMT5931BT3
- 1PMT5933BT1

Cancelled



Initial Product/Process Change Notification #13544

- 1PMT5933BT3
- 1PMT5934BT1
- 1PMT5934BT3
- 1PMT5935BT1
- 1PMT5935BT3
- 1PMT5936BT1
- 1PMT5936BT1G
- 1PMT5936BT3
- 1PMT5939BT1
- 1PMT5939BT3
- 1PMT5941BT1
- 1PMT5941BT3
- 1PMT7.0AT1
- 1PMT7.0AT3
- 1SMA10AT3
- 1SMA11AT3
- 1SMA12AT3
- 1SMA12AT3G
- 1SMA13AT3
- 1SMA15AT3
- 1SMA15AT3G
- 1SMA16AT3
- 1SMA16AT3G
- 1SMA17AT3
- 1SMA18AT3
- 1SMA18AT3G
- 1SMA20AT3
- 1SMA20AT3G
- 1SMA22AT3
- 1SMA24AT3
- 1SMA26AT3
- 1SMA28AT3
- 1SMA30AT3
- 1SMA30AT3G
- 1SMA33AT3
- 1SMA36AT3
- 1SMA36AT3G
- 1SMA40AT3
- 1SMA43AT3
- 1SMA45AT3
- 1SMA48AT3
- 1SMA5.0AT3
- 1SMA5.0AT3G
- 1SMA51AT3
- 1SMA54AT3
- 1SMA58AT3
- 1SMA5926BT3
- 1SMA5927BT3
- 1SMA5927BT3G
- 1SMA5928BT3
- 1SMA5929BT3
- 1SMA5929BT3G
- 1SMA5930BT3
- 1SMA5931BT3
- 1SMA5932BT3
- 1SMA5933BT3

Cancelled



Initial Product/Process Change Notification #13544

- 1SMA5934BT3
- 1SMA5934BT3G
- 1SMA5935BT3
- 1SMA5936BT3
- 1SMA5937BT3
- 1SMA5938BT3
- 1SMA5939BT3
- 1SMA5940BT3
- 1SMA5940BT3G
- 1SMA5941BT3
- 1SMA5942BT3
- 1SMA5943BT3
- 1SMA5943BT3G
- 1SMA5944BT3
- 1SMA5945BT3
- 1SMA6.0AT3
- 1SMA6.0AT3G
- 1SMA6.5AT3
- 1SMA64AT3
- 1SMA7.0AT3
- 1SMA7.0AT3G
- 1SMA7.5AT3
- 1SMA70AT3
- 1SMA75AT3
- 1SMA8.0AT3
- 1SMA8.5AT3
- 1SMA9.0AT3
- 1SMB100AT3
- 1SMB10AT3
- 1SMB110AT3
- 1SMB11AT3
- 1SMB120AT3
- 1SMB12AT3
- 1SMB12AT3G
- 1SMB130AT3
- 1SMB13AT3
- 1SMB13AT3G
- 1SMB14AT3
- 1SMB14AT3G
- 1SMB150AT3
- 1SMB15AT3
- 1SMB15AT3G
- 1SMB160AT3
- 1SMB16AT3
- 1SMB16AT3G
- 1SMB170AT3
- 1SMB17AT3
- 1SMB18AT3
- 1SMB20AT3
- 1SMB20AT3G
- 1SMB22AT3
- 1SMB24AT3
- 1SMB24AT3G
- 1SMB26AT3
- 1SMB28AT3
- 1SMB28AT3G

Cancelled



Initial Product/Process Change Notification #13544

- 1SMB30AT3
- 1SMB30AT3G
- 1SMB33AT3
- 1SMB33AT3G
- 1SMB36AT3
- 1SMB36AT3G
- 1SMB40AT3
- 1SMB43AT3
- 1SMB45AT3
- 1SMB48AT3
- 1SMB5.0AT3
- 1SMB5.0AT3G
- 1SMB51AT3
- 1SMB54AT3
- 1SMB58AT3
- 1SMB58AT3G
- 1SMB5926BT3
- 1SMB5927BT3
- 1SMB5927BT3G
- 1SMB5928BT3
- 1SMB5929BT3
- 1SMB5929BT3G
- 1SMB5930BT3
- 1SMB5930BT3G
- 1SMB5931BT3
- 1SMB5931BT3G
- 1SMB5932BT3
- 1SMB5933BT3
- 1SMB5934BT3
- 1SMB5934BT3G
- 1SMB5935BT3
- 1SMB5935BT3G
- 1SMB5936BT3
- 1SMB5936BT3G
- 1SMB5937BT3
- 1SMB5937BT3G
- 1SMB5938BT3
- 1SMB5939BT3
- 1SMB5940BT3
- 1SMB5941BT3
- 1SMB5942BT3
- 1SMB5943BT3
- 1SMB5943BT3G
- 1SMB5944BT3
- 1SMB5945BT3
- 1SMB5946BT3
- 1SMB5947BT3
- 1SMB5948BT3
- 1SMB5949BT3
- 1SMB5950BT3
- 1SMB5951BT3
- 1SMB5951BT3G
- 1SMB5952BT3
- 1SMB5953BT3
- 1SMB5953BT3G
- 1SMB5954BT3

Cancelled



Initial Product/Process Change Notification #13544

- 1SMB5955BT3
- 1SMB5956BT3
- 1SMB5956BT3G
- 1SMB6.0AT3
- 1SMB6.0AT3G
- 1SMB6.5AT3
- 1SMB60AT3
- 1SMB64AT3
- 1SMB7.0AT3
- 1SMB7.5AT3
- 1SMB70AT3
- 1SMB70AT3G
- 1SMB75AT3
- 1SMB8.0AT3
- 1SMB8.5AT3
- 1SMB85AT3
- 1SMB9.0AT3
- 1SMB90AT3
- 1SMC10AT3
- 1SMC12AT3
- 1SMC13AT3
- 1SMC14AT3
- 1SMC15AT3
- 1SMC15AT3G
- 1SMC16AT3
- 1SMC17AT3
- 1SMC18AT3
- 1SMC20AT3
- 1SMC22AT3
- 1SMC24AT3
- 1SMC26AT3
- 1SMC28AT3
- 1SMC30AT3
- 1SMC33AT3
- 1SMC33AT3G
- 1SMC36AT3
- 1SMC40AT3
- 1SMC43AT3
- 1SMC45AT3
- 1SMC48AT3
- 1SMC48AT3G
- 1SMC5.0AT3
- 1SMC5.0AT3G
- 1SMC51AT3
- 1SMC54AT3
- 1SMC58AT3
- 1SMC58AT3G
- 1SMC6.0AT3
- 1SMC6.5AT3
- 1SMC60AT3
- 1SMC64AT3
- 1SMC7.0AT3
- 1SMC7.5AT3
- 1SMC70AT3
- 1SMC75AT3
- 1SMC78AT3

Cancelled



Initial Product/Process Change Notification #13544

- 1SMC8.0AT3
- 1SMC8.5AT3
- 1SMC9.0AT3
- 3EZ13D5
- 3EZ15D5
- 3EZ15D5RL
- 3EZ16D5
- 3EZ16D5RL
- 3EZ18D5
- 3EZ18D5RL
- 3EZ240D5
- 3EZ24D5
- 3EZ24D5RL
- 3EZ330D5
- 3EZ36D5RL
- 3EZ39D5
- BZG03C15
- BZG03C150
- ICTE-005
- ICTE-010
- ICTE-012
- ICTE-015
- ICTE-018
- ICTE-022
- ICTE-10RL4
- ICTE-12RL4
- ICTE-15RL4
- ICTE-18RL4
- ICTE-36RL4
- ICTE-5RL4
- MPTE-005
- MPTE-010
- MPTE-012
- MPTE-015
- MPTE-018
- MPTE-022
- MPTE-12RL4
- MPTE-5RL4
- MZP4741ARL
- MZP4744ARL
- MZP4745ARL
- MZP4746ARL
- MZP4746ATA
- MZP4749ARL
- MZP4749ATA
- MZP4750ARL
- MZP4751ARL
- P6KE100A
- P6KE100ARL
- P6KE10A
- P6KE10ARL
- P6KE110ARL
- P6KE11A
- P6KE11ARL
- P6KE120ARL
- P6KE12A

Cancelled



Initial Product/Process Change Notification #13544

- P6KE12ARL
- P6KE130A
- P6KE13A
- P6KE13ARL
- P6KE150A
- P6KE150ARL
- P6KE150ARLG
- P6KE15A
- P6KE15ARL
- P6KE160ARL
- P6KE16A
- P6KE16ARL
- P6KE170A
- P6KE170ARL
- P6KE180A
- P6KE180ARL
- P6KE18A
- P6KE18ARL
- P6KE200A
- P6KE200ARL
- P6KE200B
- P6KE200BRL
- P6KE20A
- P6KE20ARL
- P6KE22ARL
- P6KE24A
- P6KE24ARL
- P6KE27A
- P6KE27ARL
- P6KE30A
- P6KE30ARL
- P6KE33A
- P6KE33ARL
- P6KE36A
- P6KE36ARL
- P6KE39A
- P6KE39ARL
- P6KE43A
- P6KE43ARL
- P6KE47A
- P6KE47ARL
- P6KE51A
- P6KE51ARL
- P6KE56A
- P6KE56ARL
- P6KE6.8A
- P6KE6.8ARL
- P6KE62A
- P6KE62ARL
- P6KE68A
- P6KE68ARL
- P6KE7.5A
- P6KE7.5ARL
- P6KE75ARL
- P6KE8.2ARL
- P6KE82ARL

Cancelled



Initial Product/Process Change Notification #13544

- P6KE9.1A
- P6KE91ARL
- P6SMB100AT3
- P6SMB10AT3
- P6SMB110AT3
- P6SMB11AT3
- P6SMB120AT3
- P6SMB12AT3
- P6SMB130AT3
- P6SMB13AT3
- P6SMB150AT3
- P6SMB15AT3
- P6SMB15AT3G
- P6SMB160AT3
- P6SMB160AT3G
- P6SMB16AT3
- P6SMB16AT3G
- P6SMB180AT3
- P6SMB18AT3
- P6SMB200AT3
- P6SMB200AT3G
- P6SMB20AT3
- P6SMB20AT3G
- P6SMB22AT3
- P6SMB24AT3
- P6SMB27AT3
- P6SMB30AT3
- P6SMB33AT3
- P6SMB33AT3G
- P6SMB36AT3
- P6SMB36AT3G
- P6SMB39AT3
- P6SMB39AT3G
- P6SMB43AT3
- P6SMB43AT3G
- P6SMB47AT3
- P6SMB47AT3G
- P6SMB51AT3
- P6SMB56AT3
- P6SMB6.8AT3
- P6SMB6.8AT3G
- P6SMB62AT3
- P6SMB68AT3
- P6SMB7.5AT3
- P6SMB75AT3
- P6SMB8.2AT3
- P6SMB82AT3
- P6SMB82AT3G
- P6SMB9.1AT3
- P6SMB91AT3
- SA100A
- SA100ARL
- SA10A
- SA10ARL
- SA110A
- SA11A

Cancelled



Initial Product/Process Change Notification #13544

SA11ARL
SA120A
SA12A
SA12ARL
SA130A
SA13A
SA13ARL
SA14A
SA15A
SA15ARL
SA160A
SA16A
SA16ARL
SA170ARL
SA17ARL
SA18ARL
SA20ARL
SA24A
SA24ARL
SA26ARL
SA28A
SA28ARL
SA30ARL
SA33A
SA33ARL
SA36A
SA36ARL
SA40ARL
SA43A
SA45ARL
SA48A
SA5.0A
SA5.0ARL
SA51A
SA58A
SA6.0A
SA6.0ARL
SA60ALF
SA60ARL
SA64A
SA64ALF
SA64ARL
SA7.0ARL
SA7.5A
SA70A
SA78A
SA8.0A
SA8.5A
SA9.0ARL
SA90A
SMBJ12AONT3
SMBJ12AONT3G

Cancelled