



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16949

Generic Copy

Issue Date: 11-Dec-2012

TITLE: Final Notification of Transfer of product ESD1014MUTAG from ON Semiconductor Sanyo Fab in Gunma (Japan) to ON Semiconductor Fab10 in Pocatello (USA).

PROPOSED FIRST SHIP DATE: 11-Mar-2013

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Fab Site

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or <Jacob.Saliba@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or <Laura.Rivers@onsemi.com>

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation 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 <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

This is the final notification announcing that ON Semiconductor is transferring product ESD1014MUTAG from ON Semiconductor Sanyo Fab in Gunma (Japan) to ON Semiconductor Fab10 in Pocatello (USA). ON Semiconductor Fab10 is an internal factory that is TS16949 and ISO-14000 certified.

Due to certain parametric improvements during the transfer, a change was made in the datasheet specification (shown below). Two specifications were improved.

ESD1014 Specification			Previous			New			Units
Parameter	Sym	Conditions	Min	Typ	Max	Min	Typ	Max	
Maximum Peak Pulse Current	I _{PP}	8x20 us Waveform			25			30	A
Junction Capacitance	C _J	V _R = 0V, I/O to Gnd		3.8	6.0		3.8	5.0	pF

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16949****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

<u>Test:</u>	<u>Conditions:</u>	<u>Interval:</u>	<u>Results:</u>
HTRB	Ta=150C, 80% Rated Voltage	504 hrs	0/80
HTRB	Ta=150C, 80% Rated Voltage	1008 hrs	0/231
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/231
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or 100V Max	1008 hrs	0/231
IOL+PC	Ta=25C, delta Tj=100C, Ton=Toff=2min,	15000 cyc	0/231
TC+PC	Ta= -65 C to 150 C	1000 cyc	0/231
RSH	Ta=260C, 10 sec dwell		0/90

ELECTRICAL CHARACTERISTIC SUMMARY:

Available Upon Request

List of affected General Parts:

ESD1014MUTAG