

ON Semiconductor
Formerly a Division of Motorola



Subject: Motorola PRODUCT AND PROCESS CHANGE NOTIFICATION 4611

TITLE: QUALIFICATION OF MITEL WAFER FOUNDRY FOR METAL GATE CMOS

EFFECTIVE DATE: 29-JUL-99

AFFECTED CHANGE CATEGORIES
Subcontractor Fab Site

AFFECTED PRODUCT DIVISIONS
GENERAL PURPOSE PRO

ADDITIONAL RELIABILITY DATA: Available Ref: R23864
Contact your local Motorola Sales Office.

SAMPLES: Contact Below Ref: R38095@email.sps.mot.com
Contact your local Motorola Sales Office.

For any questions concerning this notification:
REFERENCE: GUY NICHOLS PHONE: 602-244-4732

DISCLAIMER:

MOTOROLA 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 MOTOROLA SALES
OFFICE.
GPCN FORMAT: CUSTOMER

DO NOT REPLY TO THIS MESSAGE.

PRODUCT AND PROCESS CHANGE NOTIFICATION

ISSUE DATE: 20-Apr-1999

NOTIFICATION #:4611

EFFECTIVE DATE: 29-Jul-1999

ISSUING DIVISION:PHX-GPPD

DESCRIPTION AND PURPOSE

As Motorola continues it's manufacturing restructuring activities, it has become necessary to build and qualify a long term wafer fab for it's Metal Gate CMOS products. This undertaking can not be successfully accomplished in the time frame allotted before the shutdown of the current wafer fab (MOS 1). In order to ensure a continuous supply of MG CMOS products and long term upside potential, Motorola has qualified an additional supply to MOS 1 in Mitel Wafer Foundry. These products will include Motorola designed Analog Switches only as listed below.

QUALIFICATION PLAN

N/A

RELIABILITY DATA SUMMARY

Mitel Reliability Report on file. Motorola internal reliability testing underway and will be complete prior to PCN effective date.

ELECTRICAL CHARACTERISTIC SUMMARY

Mitel devices will utilize Motorola designs and parametric characteristics will match Motorola's current Analog Switch products. Full characterization of all five functions will be performed prior to effective date.

CHANGED PART IDENTIFICATION

Customer orders filled after Date Code 9926 may use Mitel sourced die.

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)

JMC14051BW , JMC14066BW , MC14051BCL , MC14051BCP
MC14051BD , MC14051BDR2 , MC14051BDT , MC14051BDTEL
MC14051BDTR2 , MC14051BF , MC14051BFEL , MC14051BFL1
MC14051BFL2 , MC14051BFR1 , MC14051BFR2 , MC14052BCL
MC14052BCP , MC14052BD , MC14052BDR2 , MC14052BDT
MC14052BDTR2 , MC14052BF , MC14052BFEL , MC14052BFL1
MC14052BFL2 , MC14052BFR1 , MC14052BFR2 , MC14053BCL
MC14053BCP , MC14053BD , MC14053BDR2 , MC14053BDT
MC14053BDTEL , MC14053BDTR2 , MC14053BF , MC14053BFEL
MC14053BFL1 , MC14053BFL2 , MC14053BFR1 , MC14053BFR2
MC14066BCL , MC14066BCP , MC14066BD , MC14066BDR2
MC14066BDT , MC14066BDTEL , MC14066BDTR2 , MC14066BF
MC14066BFEL , MC14066BFL1 , MC14066BFL2 , MC14066BFR1
MC14066BFR2 , MC14551BCP , MC14551BD , MC14551BDR2
MC14551BF , MC14551BFL2 , MCW14051B , MCW14052B
MCW14053B , MCW14066B , SC00214051BFL2 , SC004MG052BCP
SC004MG066BCP , SC027MG051BF , SC027MG066BCP , SC028MG053BDTER