



**Subject:** Motorola PRODUCT AND PROCESS CHANGE NOTIFICATION 4424

**TITLE:** PDIP20H,SDIP28/32,VMFP16/20/30/36,TSSOP24/30/36W,MFP8 ASSEMBLY AND TEST SITE TRANSFER TO MITSUI HIGH TEC.

**EFFECTIVE DATE:** 15-MAY-99

AFFECTED CHANGE CATEGORIES  
Motorola Assembly Site

Motorola Test Site

AFFECTED PRODUCT DIVISIONS

GENERAL PURPOSE PRO	WIRELESS RF/IF	PERSONAL AND PC MED
ADV DIGITAL CONSUME	CSG MISC	CONS BROADCAST
COMM, TRANS, ACCESS	POWERTRAIN SYS	BODY ELEC/STRAT IND

ADDITIONAL RELIABILITY DATA: None

Ref: NPM057

SAMPLES: Contact Below

Ref: NPM131@email.sps.mot.com

Contact your local Motorola Sales Office.

For any questions concerning this notification:

REFERENCE:NOBUYUKI OHTAKE

PHONE: 81-241-27-2231

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.

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PRODUCT AND PROCESS CHANGE NOTIFICATION

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ISSUE DATE: 07-Feb-1999

NOTIFICATION #:4424

EFFECTIVE DATE: 15-May-1999

ISSUING DIVISION:NML-S/ISYS

DESCRIPTION AND PURPOSE

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Motorola has decided to consolidate Aizu backend operation into other manufacturing sites, which will enable Aizu to become a center of excellence focused on Analog CMOS and TMOS technologies. The PDIP20H, SDIP28/32, VMFP16/20/30/36, TSSOP24/30/36W AND MFP8 assembly and test in Aizu backend covered by this PCN will be transferred to MITSUI high Tec Inc.in Japan which is a ISO 9000 certified assembly and test site. Regarding to this site change, the equipment also will be transferred and the volume production will start by using same technology and same material as Aizu's. The shutdown timing in Aizu is as below.

PDIP20H	:	3-May-99
SDIP28/32	:	3-May-99
VMFP16	:	17-May-99
VMFP20/36	:	26-Apr-99
VMFP30	:	7-Jun-99
TSSOP36W	:	5-Apr-99
TSSOP24/30W	:	03-May-99
MFP8	:	17-May-99

NOTE: All Life Time Buy Notices (end of life) previously issued for this product, remain in effect and will be phased out as stated.

QUALIFICATION PLAN

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The qualification sample using biggest die size at the package has been selected to verify the reliability performance. The following is the reliability and process characterization plan.

1. Reliability test

The preconditioning for reliability test will be done in accordance with the JDEC Moisture sensitivity for each level.

Package type	Device type	S/S	PCT	T/C
MC145443P	PDIP20H	77 X 1	3-Jul-99	3-Jul-99
MC141628ASP	SDIP28/32	77 X 1	3-Jul-99	3-Jul-99
MPC17A10SVM	MFP8/VMFP16	77 X 1	27-Jul-99	27-Jul-99
SC371080VF	VMFP20	77 X 1	30-Mar-99	30-Mar-99
MPC17A85TVM	VMFP30	77 X 1	3-Aug-99	3-Aug-99
SC111285BVM	VMFP36	77 X 1	6-Apr-99	6-Apr-99
MPC17AT85MTA	TSSOP24/30W	77 X 1	30-Apr-99	30-Apr-99
MPC1830ADTB	TSSOP36W	77 X 1	23-Apr-99	23-Apr-99

PCT test condition : 121 degree C/100%RH/2 atm/96 hours.

Temp. cycle test condition: -65 degree C - +150 degree C/1000 cycle

2. Process characterization

The process characterization will be performed in accordance with Motorola internal criteria.

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RELIABILITY DATA SUMMARY

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The reliability test data of existing products will be available upon request.

ELECTRICAL CHARACTERISTIC SUMMARY

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The electrical characteristics report is not applicable because there is no change on product design and wafer process.

CHANGED PART IDENTIFICATION

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There is no physical change to the parts. Only assembly location code in Aizu (J) changes to Mitsui (ZS or MX).

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)

BM6S2BF	, BM6S2BFEL	, JBL1026MEL	, JLC1132F
JLC1553N	, JLC1563M	, JLC1563ML1	, JLC1577VM
JLC1577VMEL	, MC12022TVAMEL	, MC13020VM	, MC13020VMEL
MC13028ASVM	, MC13028ASVMEL	, MC13029AH	, MC141624SP
MC141628ASP	, MC141628SP	, MC141634SP	, MC14433SL
MC145149P	, MC145442P	, MC145443P	, MC145444H
MC14576CF	, MC14576CFEL	, MC14576CFL1	, MC14576CFR2
MC14577CF	, MC14577CFEL	, MC14577CFL1	, MC14577CFL2
MC14577CFR1	, MC14577CFR2	, MC33078M	, MC33078ML1
MC33172M	, MC33172MEL	, MC33172ML2	, MC33172MR2
MC33219BDTB	, MC33219BDTBEL	, MC33560ADTB	, MC33560ADTB2
MC33560DTB	, MC33560DTBR2	, MC3372SVM	, MC3372SVMEL
MC34012-1M	, MC34012-1MEL	, MC34012-1ML1	, MC34012-1ML2
MC34012-1MR1	, MC34012-1MR2	, MC34012-2M	, MC34012-2MEL
MC34012-2ML1	, MC34012-2MR2	, MC34063AM	, MC34063AMEL
MC34063AML1	, MC34063AML2	, MC34063AMR1	, MC34063AMR2
MC34072M	, MC34118SP	, MC34118VM	, MC34118VMEL
MC34119M	, MC34119MEL	, MC34119ML1	, MC34119ML2
MC34119MR1	, MC34119MR2	, MC34181M	, MC34181ML2
MC34182M	, MC34182MEL	, MC34182ML2	, MC34182MR2
MC68HC05P6B	, MC68HC05P6CB	, MC68HC05P7B	, MC68HC705P6B
MC68HC705P6CB	, MC68HC705P9B	, MC68HC705P9CB	, MC74F240H
MC74F241H	, MC74F244H	, MC74F245H	, MC74F299H
MC74F373H	, MC74F374H	, MC74F377H	, MC74F521H
MC74F533H	, MC74F534H	, MC74HC240AH	, MC74HC241AH
MC74HC244AH	, MC74HC245AH	, MC74HC273AH	, MC74HC299H
MC74HC354H	, MC74HC373AH	, MC74HC374AH	, MC74HC4351H
MC74HC4353H	, MC74HC533AH	, MC74HC534AH	, MC74HC540AH
MC74HC541AH	, MC74HC563AH	, MC74HC563H	, MC74HC564AH
MC74HC564H	, MC74HC573AH	, MC74HC574AH	, MC74HC640AH
MC74HC688H	, MC74HCT240AH	, MC74HCT241AH	, MC74HCT244AH
MC74HCT245AH	, MC74HCT273AH	, MC74HCT373AH	, MC74HCT374AH
MC74HCT541AH	, MC74HCT573AH	, MC74HCT574AH	, MC74HCT640AH
MC78L05M	, MC79L05M	, MC79L05ML1	, MPC1720VM
MPC1720VMEL	, MPC1722VM	, MPC1722VML2	, MPC1724VM
MPC1724VMEL	, MPC1727VM	, MPC1730VM	, MPC1730VMEL
MPC1730VML1	, MPC1731VM	, MPC1731VMEL	, MPC1732VMEL
MPC1737M	, MPC17A10SVM	, MPC17A10SVMEL	, MPC17A10SVML1
MPC17A10SVML2	, MPC17A134VM	, MPC17A134VMEL	, MPC17A28SVM
MPC17A28SVMEL	, MPC17A29VM	, MPC17A29VMEL	, MPC17A29ZVM
MPC17A29ZVMEL	, MPC17A33SVM	, MPC17A33SVMEL	, MPC17A34RVM
MPC17A34RVMEL	, MPC17A34ZVM	, MPC17A34ZVMEL	, MPC17A36VM
MPC17A36VMEL	, MPC17A38VM	, MPC17A38VMEL	, MPC17A38ZVM
MPC17A38ZVMEL	, MPC17A39DTB	, MPC17A39DTBEL	, MPC17A39VM
MPC17A39VMEL	, MPC17A50VM	, MPC17A50VMEL	, MPC17A51VM
MPC17A51VMEL	, MPC17A58DTB	, MPC17A58DTBEL	, MPC17A61VM
MPC17A61VMEL	, MPC17A65VM	, MPC17A65VMEL	, MPC17A66VM
MPC17A66VMEL	, MPC17A85VM	, MPC17A85ZVM	, MPC17A85ZVMEL
MPC17AT85VM	, MPC17AT85VMEL	, MPC1825AVM	, MPC1825AVMEL
MPC1825BVM	, MPC1825BVMEL	, MPC1830ADTB	, MPC1830ADTBEL
MPC1830AVM	, MPC1830AVMEL	, MPC1830VM	, MPC1830VMEL
MPC1850SVM	, MPC1850SVMEL	, MPC18A20VM	, MPC18A20VMEL
MPC18A26VM	, MPC18A26VMEL	, NPC1007P-091	, NPC1007P-84A
NPC1007P-87A	, NPC1007P-89A	, PC13289SP	, PC145442BDW
PC145442BP	, PC145443BP	, PC33560DTB	, PC954AFA
PC954AFAR2	, PC954FA	, PC954FAR2	, SC008F240H
SC016HC273AH	, SC017HC240AH	, SC017HC273AH	, SC020F240H
SC020F244H	, SC020F373H	, SC022HC244AH	, SC022HC245AH

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SC022HC299H	, SC022HC354H	, SC022HC688H	, SC111003AM
SC111003AMEL	, SC111017VM	, SC111017VMEL	, SC111228SVM
SC111228SVMEL	, SC111229VM	, SC111229VMEL	, SC111230VM
SC111230VMEL	, SC111250VM	, SC111250VMEL	, SC111285BVM
SC111285BVMEL	, SC111285VM	, SC111285VMEL	, SC111290VM
SC111290VMEL	, SC111291VM	, SC111291VMEL	, SC111313VM
SC111313VMEL	, SC111315VM	, SC111315VMEL	, SC111317VM
SC111317VMEL	, SC371013FEL	, SC371071F	, SC371071FEL
SC371072FEL	, SC371080AVF	, SC371080AVFEL	, SC371080VF
SC371080VFEL	, SN74LS240H	, SN74LS241H	, SN74LS244H
SN74LS245H	, SN74LS273H	, SN74LS299H	, SN74LS373H
SN74LS374H	, SN74LS377H	, SN74LS540H	, SN74LS541H
SN74LS640H	, SN74LS641H	, SN74LS642H	, SN74LS645H
SN74LS682H	, SN74LS684H	, SN74LS688H	, SPC17A50VMEL
SPC17A85ZVM	, SPC17A85ZVMEL	, TL431CM	, TSC74HC273AH
TSC74HC373AH	, TSC74HC374AH	, XC13029H	, XC33560ADTB
XC33560ADTBR2	, XC33560DTB	, XC33560DTBR2	, XC68HC705P6B
XC68HC705P9B	, XY40497DTB		